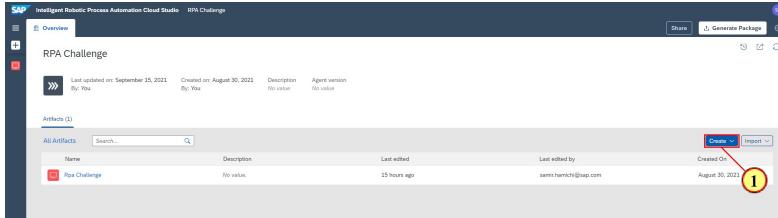
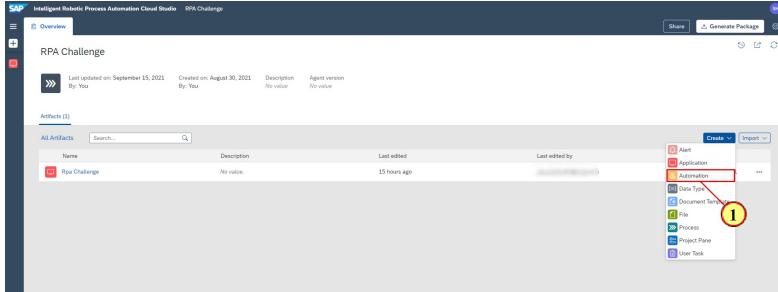
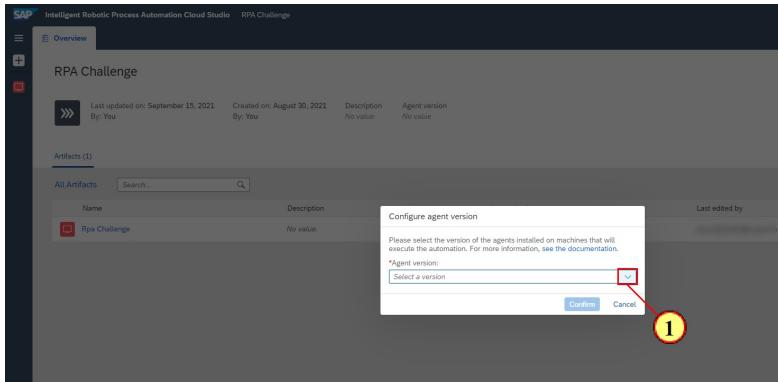
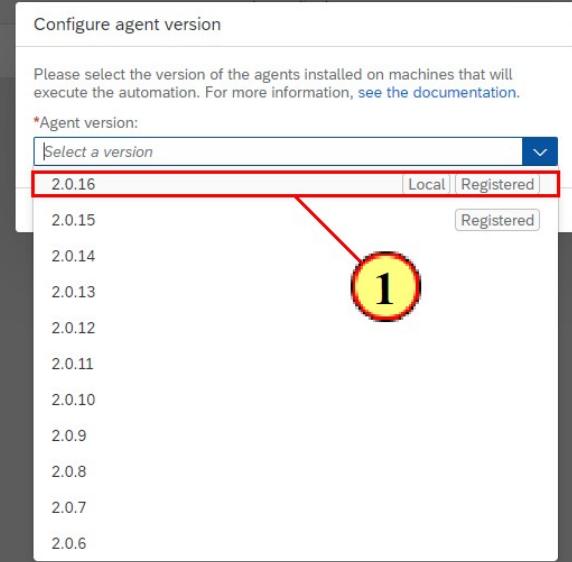
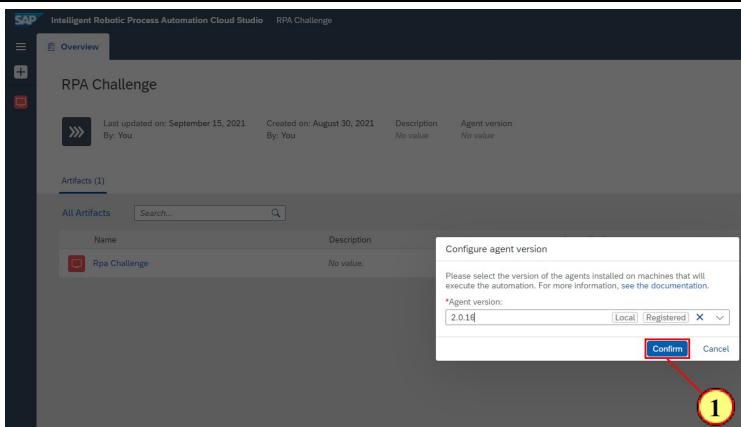
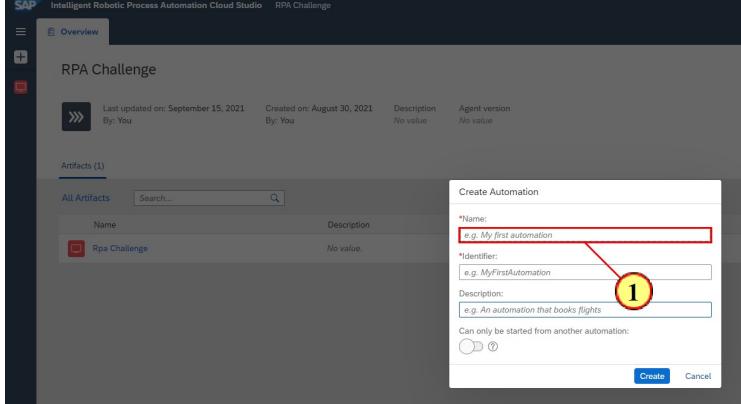
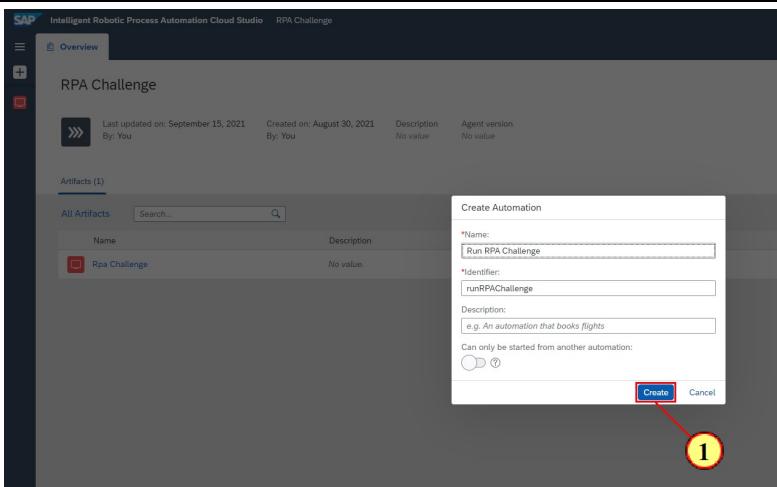
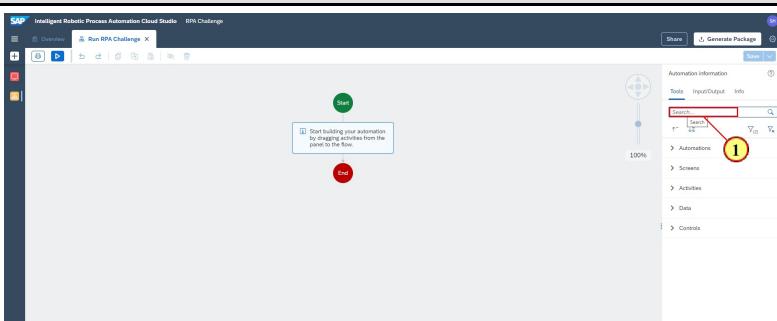
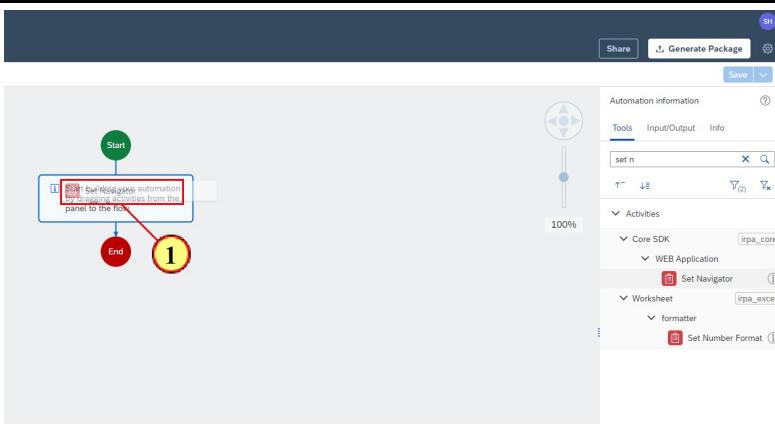
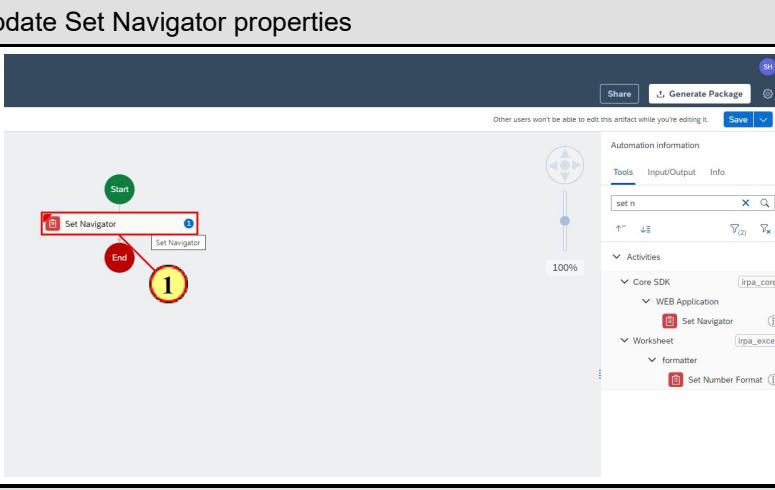
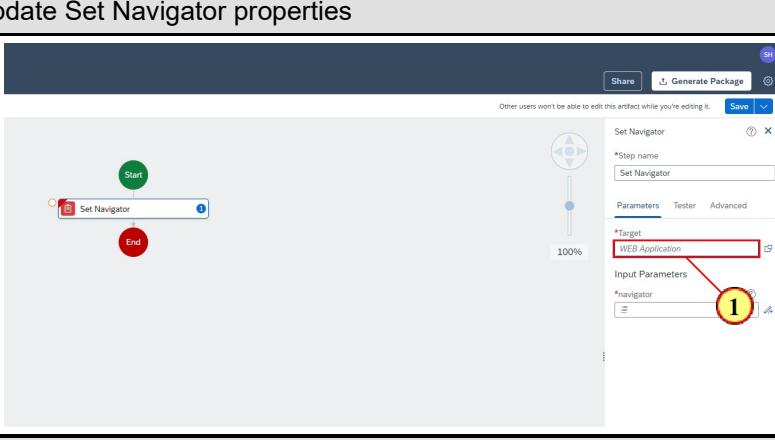
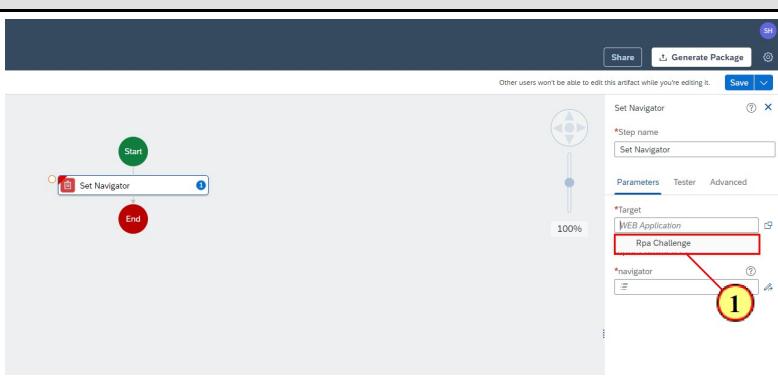
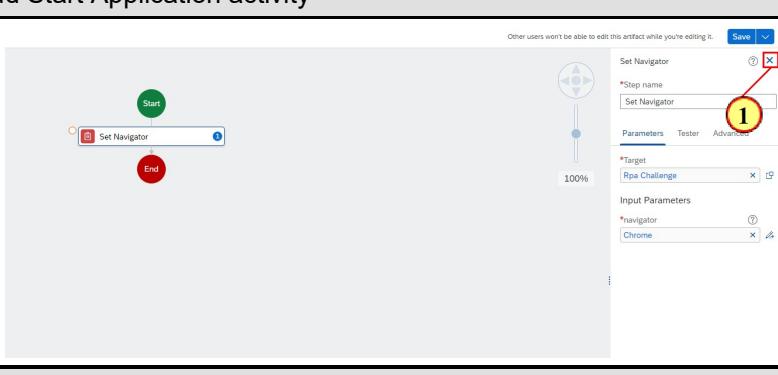
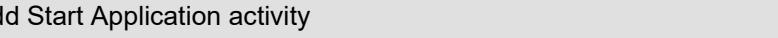


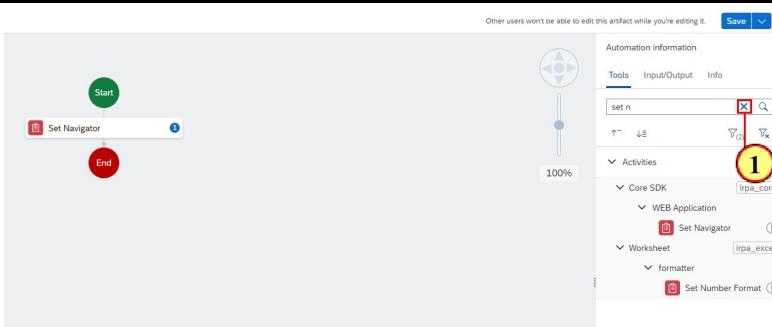
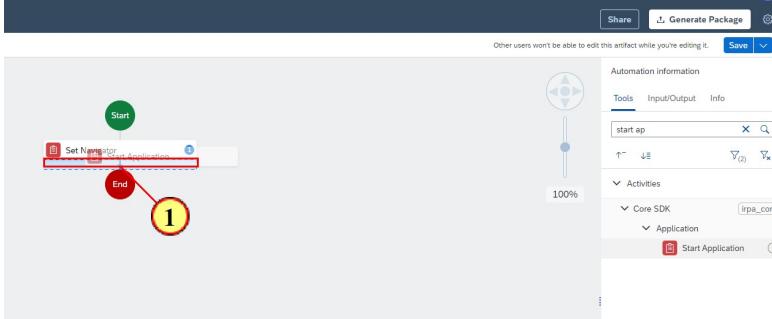
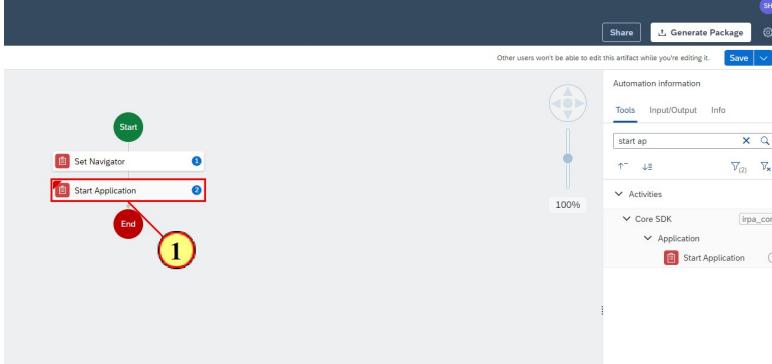
Explanation	Screenshot
RPA Challenge - Cloud Studio – Create Automation	
(1) In SAP Intelligent RPA Cloud Studio, click the Create button on the right-side panel. A dropdown menu opens.	
RPA Challenge - Cloud Studio – Create Automation	
(1) Select Automation	
RPA Challenge - Cloud Studio – Create Automation	
(1) Configure the version of the agent that will execute the automation. Click on the dropdown.	
RPA Challenge - Cloud Studio – Create Automation	

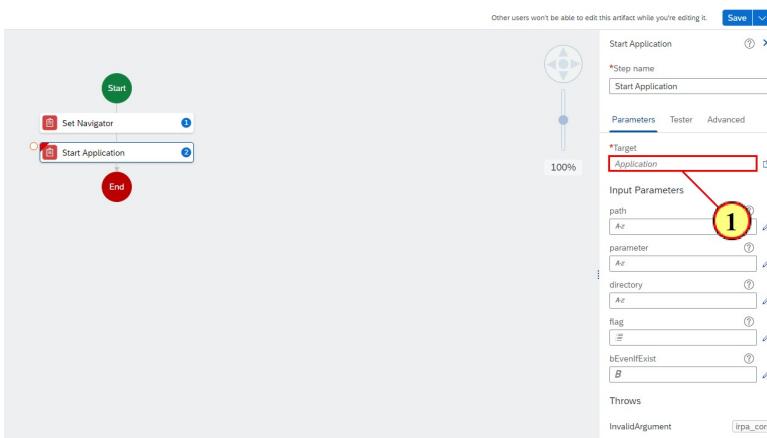
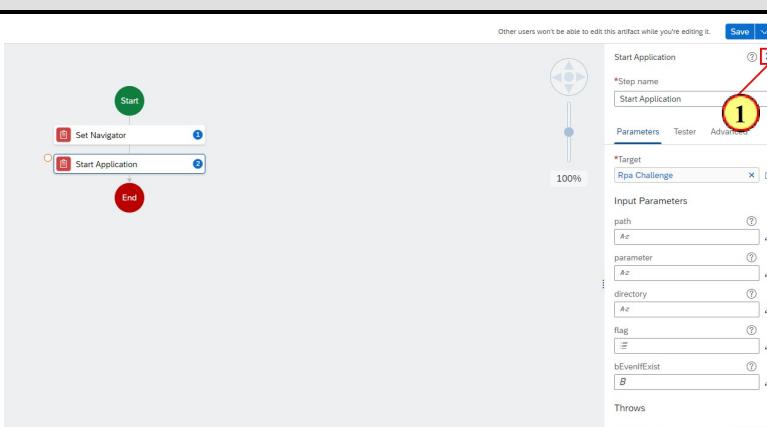
Explanation	Screenshot
(1) Select the version installed in your machine	
(1) Click on Confirm	
(1) Enter a name in the Name field. We will set automation Name to Run RPA Challenge	

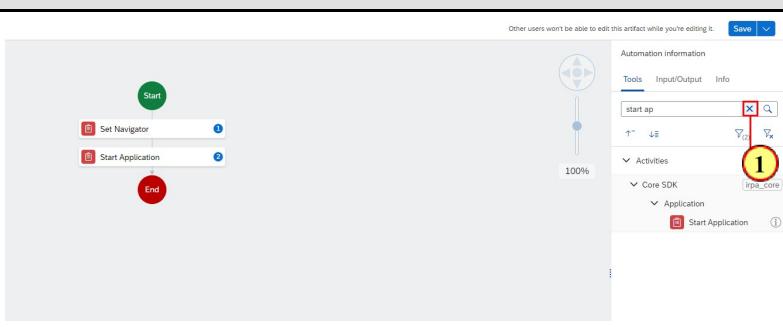
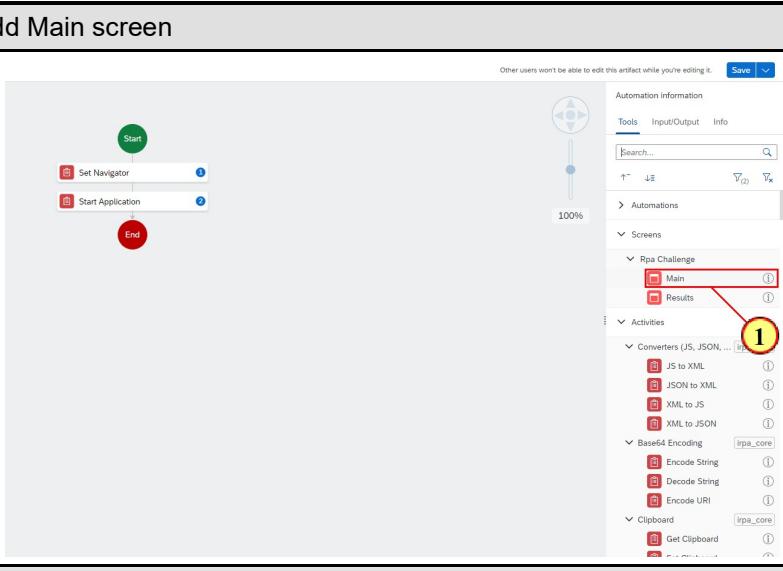
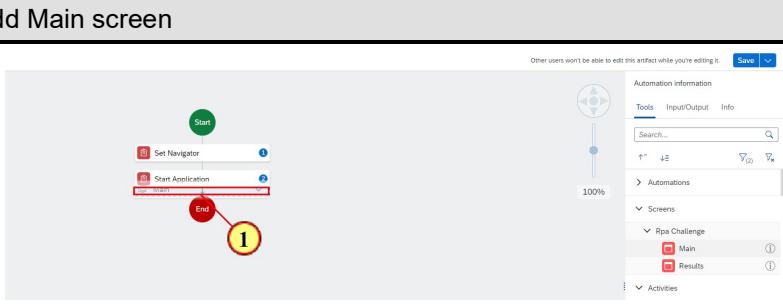
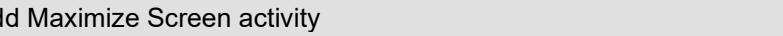
Explanation	Screenshot
RPA Challenge - Cloud Studio – Create Automation	
<p>(1) Click on Create</p>  <p>You can now drag and drop activities to build your automation in the Cloud Studio.</p>	
RPA Challenge – Cloud Studio – Add Set Navigator activity	
<p>(1) In Automation Information, search for Set Navigator</p>	
<p>(1) Drag the activity</p>	
RPA Challenge – Cloud Studio – Add Set Navigator activity	

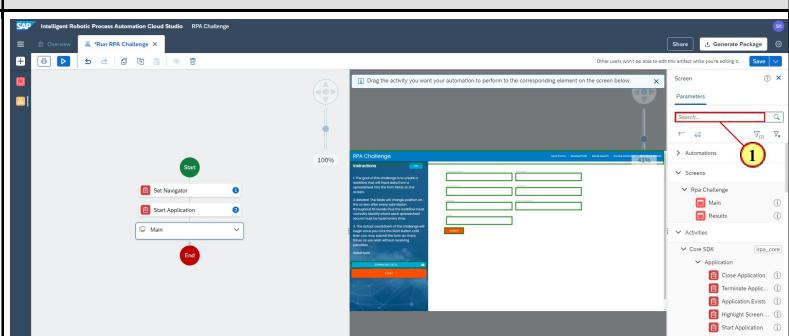
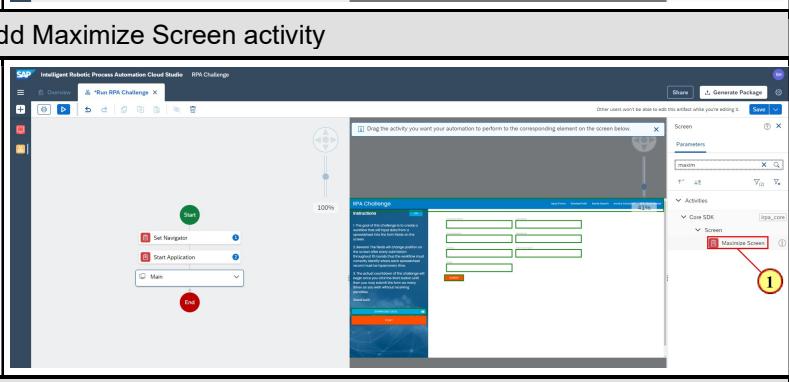
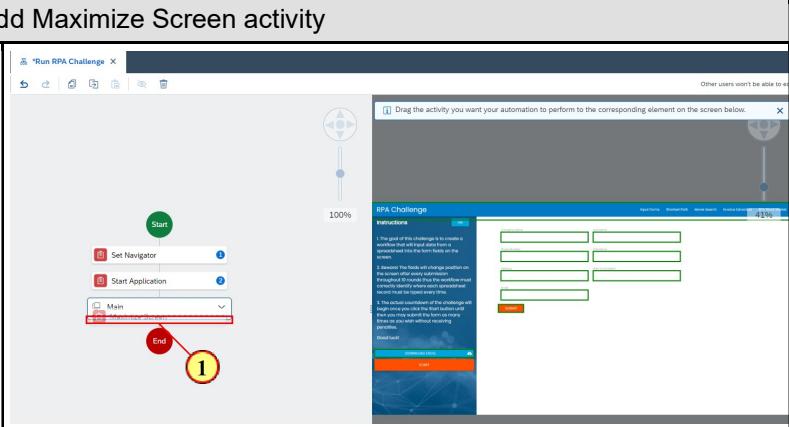
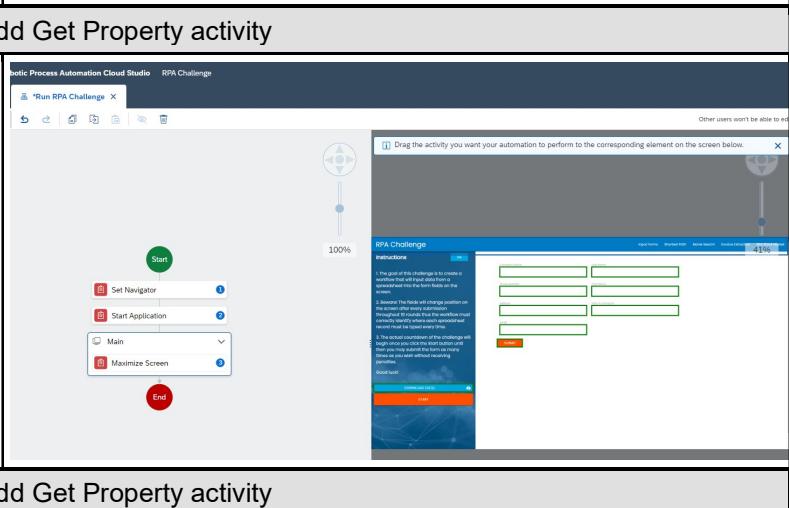
Explanation	Screenshot
(1) Drop it into the workflow	
RPA Challenge – Cloud Studio – Update Set Navigator properties	
(1) Click on the step to set the properties	
(1) Click on the Target parameter	
RPA Challenge – Cloud Studio – Update Set Navigator properties	

Explanation	Screenshot
(1) Select the Rpa Challenge application	
RPA Challenge – Cloud Studio – Update Set Navigator properties	
(1) Click on the navigator parameter	
RPA Challenge – Cloud Studio – Update Set Navigator properties	
(1) Select Chrome	
RPA Challenge – Cloud Studio – Add Start Application activity	

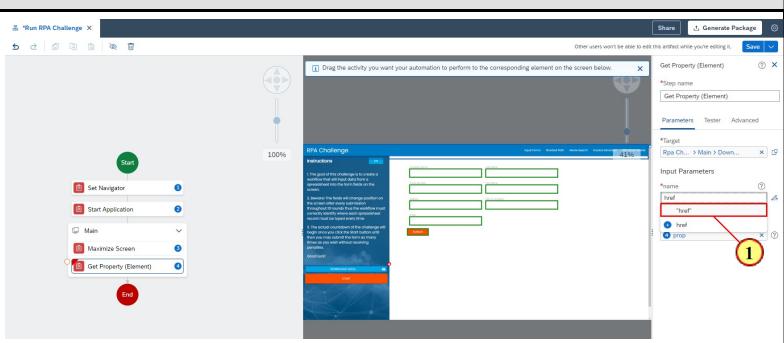
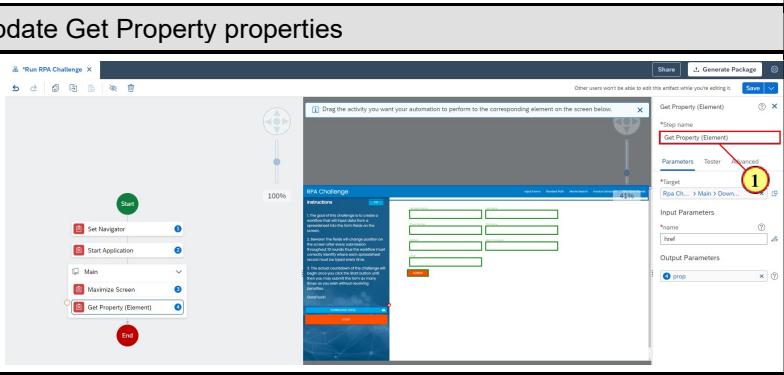
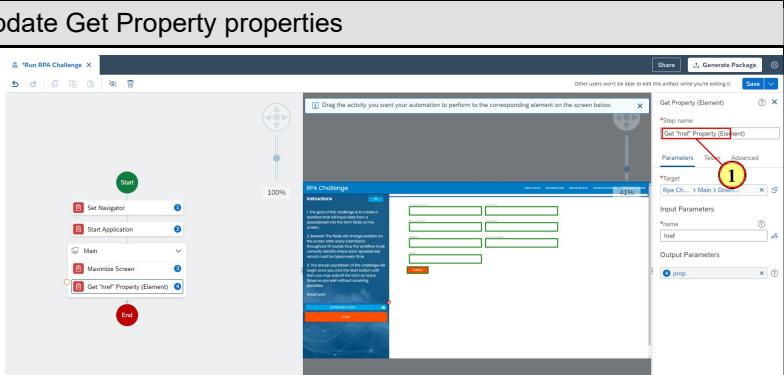
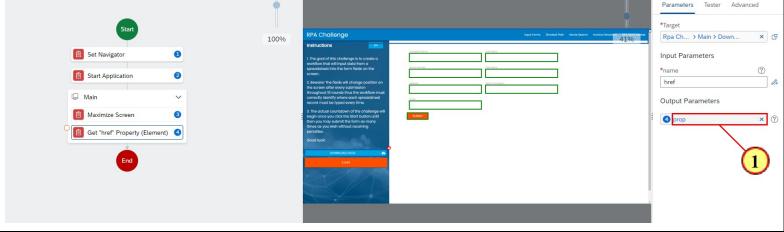
Explanation	Screenshot
(1) Clear the search field	
RPA Challenge – Cloud Studio – Add Start Application activity (1) Search for Start Application (2) Drag the activity	
RPA Challenge – Cloud Studio – Add Start Application activity (1) Drop it into the workflow below the Set Navigator activity	
RPA Challenge – Cloud Studio – Update Start Application properties (1) Click on the step to set the properties	

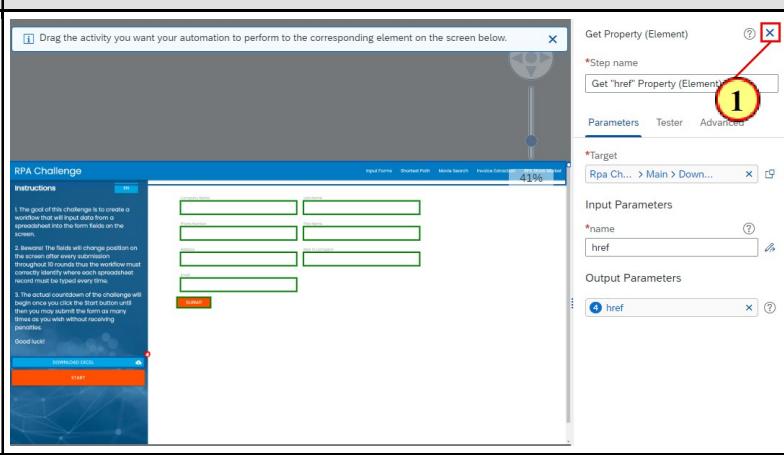
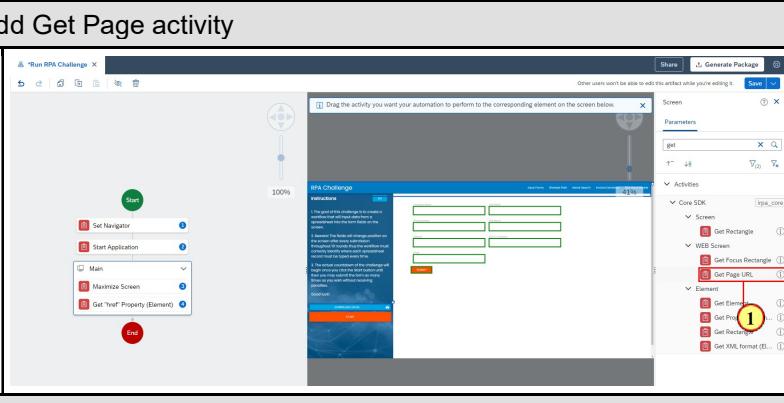
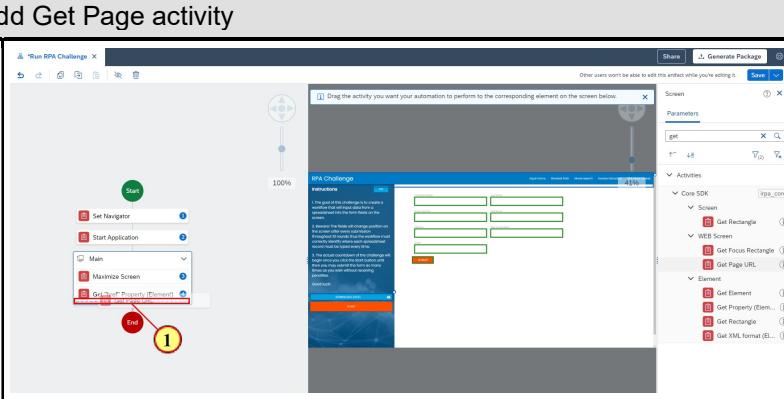
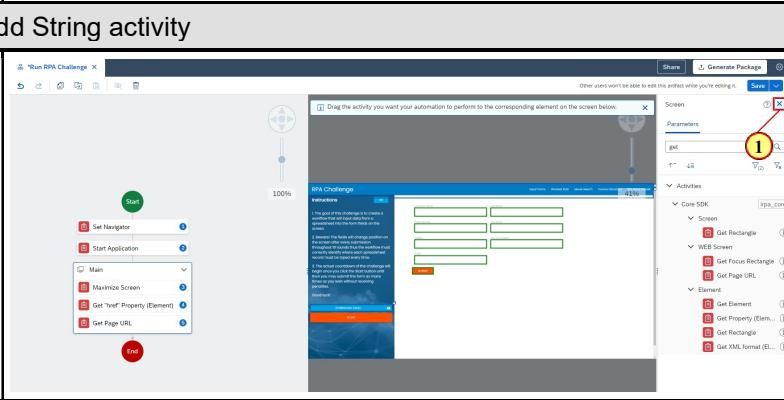
Explanation	Screenshot
RPA Challenge – Cloud Studio – Update Start Application properties	 <p>(1) Click on the Target parameter</p>
RPA Challenge – Cloud Studio – Update Start Application properties	 <p>(1) Select Rpa Challenge</p>
RPA Challenge – Cloud Studio – Add Main screen	 <p>(1) Close the step properties</p>
RPA Challenge – Cloud Studio – Add Main screen	

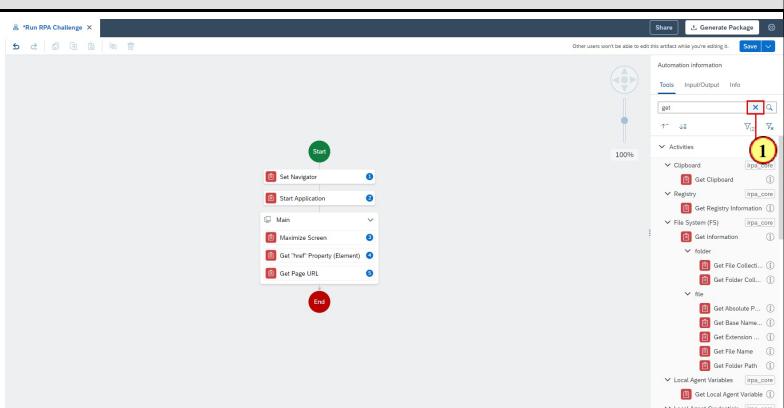
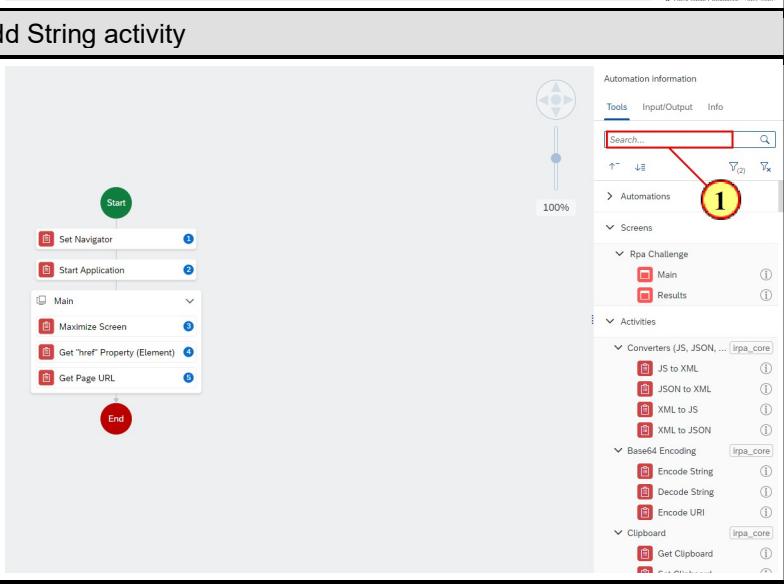
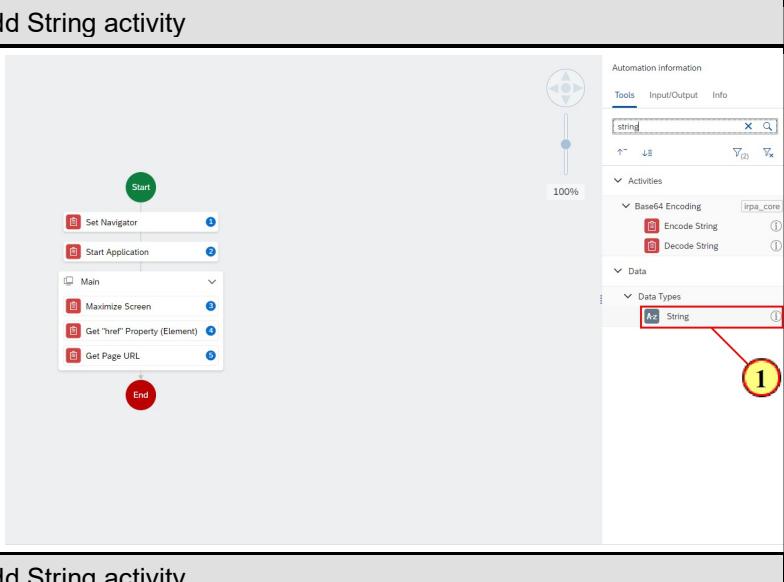
Explanation	Screenshot
(1) Clear the search field	
RPA Challenge – Cloud Studio – Add Main screen	
(1) In the Screens list in the dropdown menu on the right-hand side panel, drag the Main screen	
(1) Drop it into the workflow below the last activity	
RPA Challenge – Cloud Studio – Add Main screen	
(1) Double-click on the Main screen step to add some activities to it	
RPA Challenge – Cloud Studio – Add Maximize Screen activity	

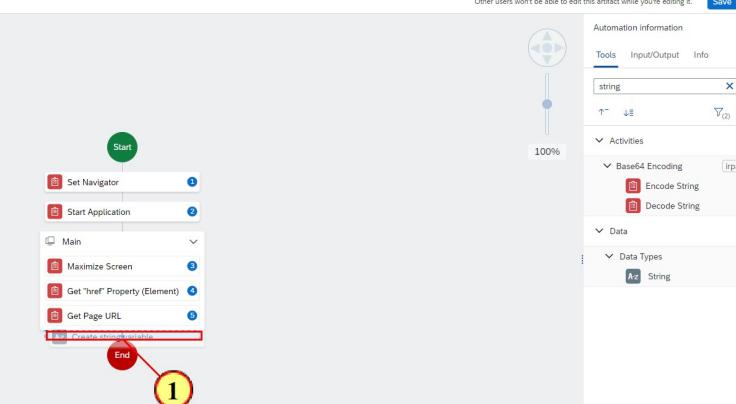
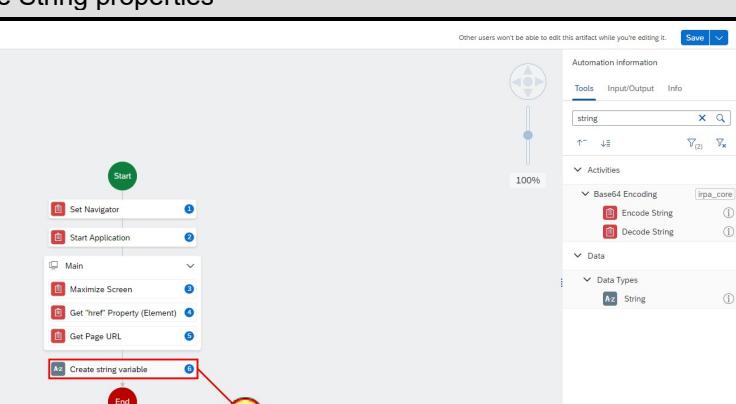
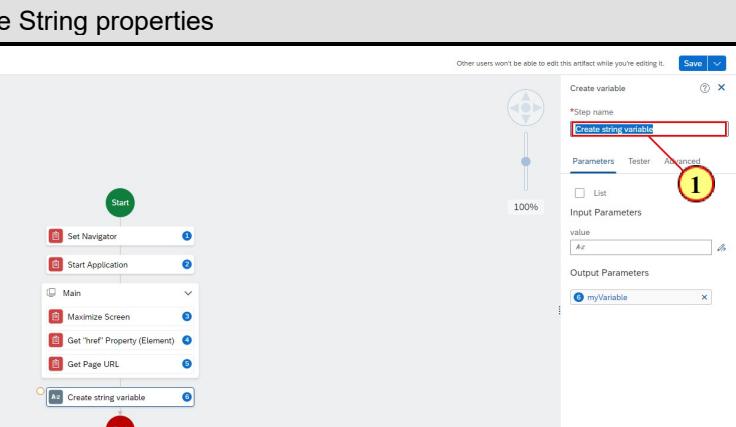
Explanation	Screenshot
<p>(1) In Parameters, search for Maximize Screen activity</p>	 <p>The screenshot shows the SAP Cloud Studio interface with a search bar at the top containing 'Maximize Screen'. Below the search bar, a list of activities is displayed under the 'Core SDK' section, specifically under the 'Screens' category. The 'Maximize Screen' activity is highlighted with a red circle and a yellow '1'.</p>
<p>RPA Challenge – Cloud Studio – Add Maximize Screen activity</p>	 <p>The screenshot shows the SAP Cloud Studio interface with the 'Maximize Screen' activity now added to the workflow. It is positioned between the 'Start' node and the 'End' node. A red circle with a yellow '1' highlights the activity icon.</p>
<p>RPA Challenge – Cloud Studio – Add Maximize Screen activity</p>	 <p>The screenshot shows the SAP Cloud Studio interface with the 'Maximize Screen' activity successfully dropped into the 'Main' screen step of the workflow. A red circle with a yellow '1' highlights the 'Main' screen step.</p>
<p>RPA Challenge – Cloud Studio – Add Get Property activity</p>	 <p>The screenshot shows the SAP Cloud Studio interface with the 'Get Property' activity now added to the workflow. It is positioned after the 'Maximize Screen' activity. A red circle with a yellow '1' highlights the search field in the parameters panel.</p>

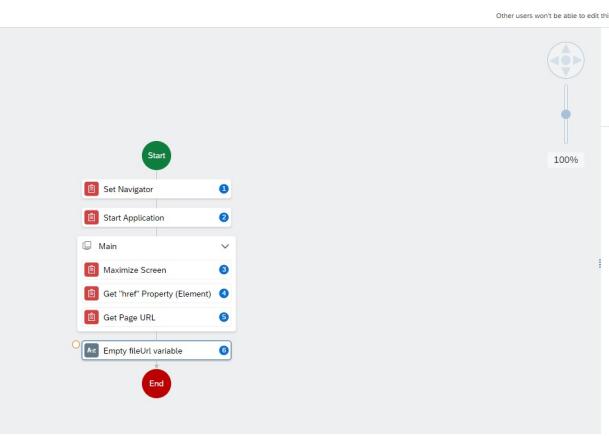
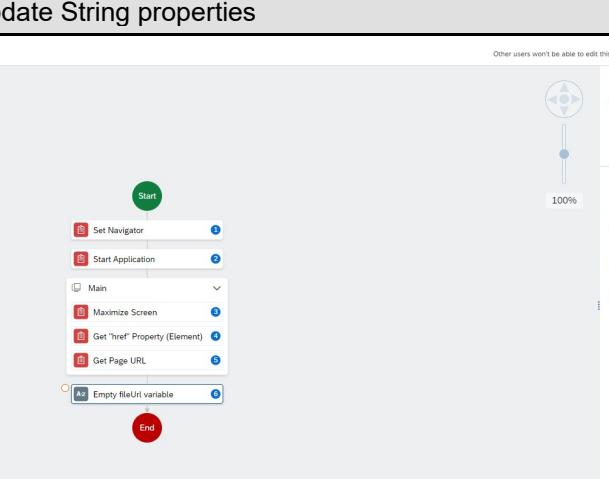
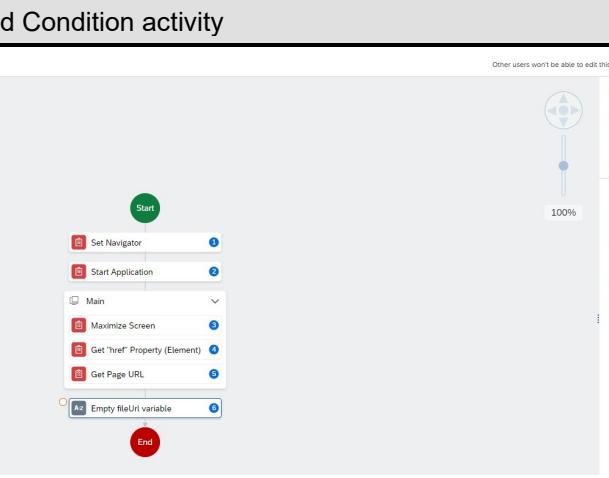
Explanation	Screenshot
<p>(1) Search for Get Property (Element)</p> <p>(2) Drag the activity</p>	
<p>RPA Challenge – Cloud Studio – Add Get Property activity</p>	
<p>(1) Drop it on the Download element</p>	
<p>RPA Challenge – Cloud Studio – Update Get Property properties</p> <p>(1) Click on the Get Property (Element) to set the properties</p>	
<p>RPA Challenge – Cloud Studio – Update Get Property properties</p>	

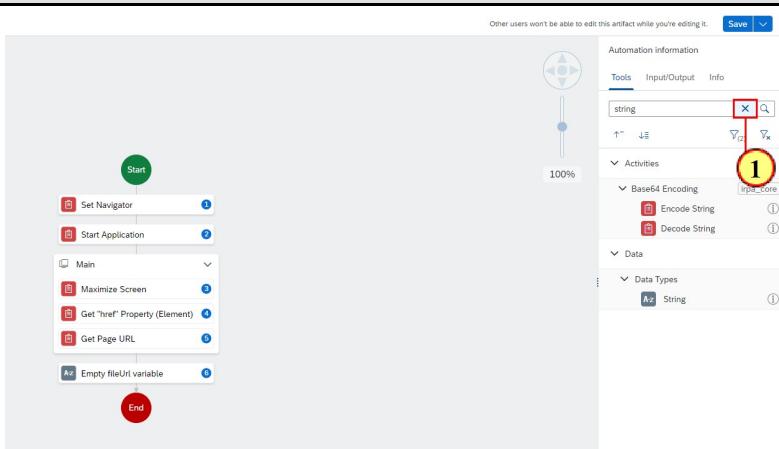
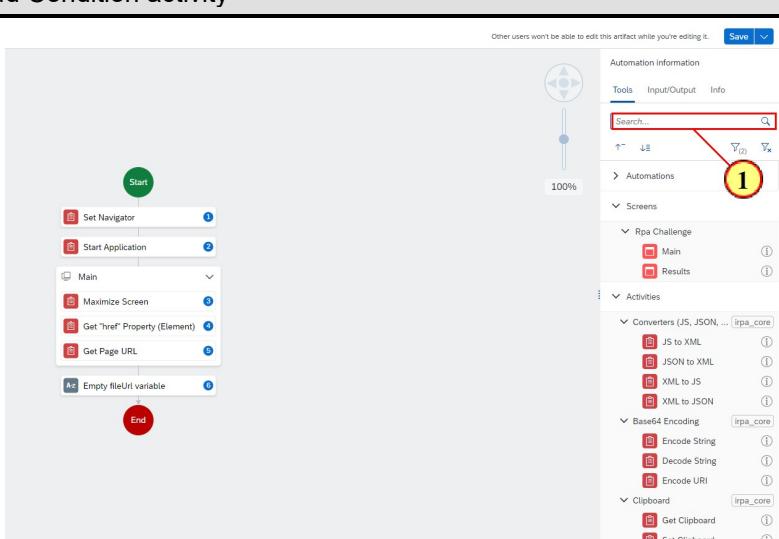
Explanation	Screenshot
(1) Select the string between quotes "href" below	
RPA Challenge – Cloud Studio – Update Get Property properties	
(1) Click between Get & Property	
RPA Challenge – Cloud Studio – Update Get Property properties	
(1) Add "href" to the Step name	
<p> Changing the step name will not change the behavior of the automation.</p> <p>It helps understand the steps in the workflow.</p>	
(1) Change the output variable name to href	
RPA Challenge – Cloud Studio – Add Get Page activity	

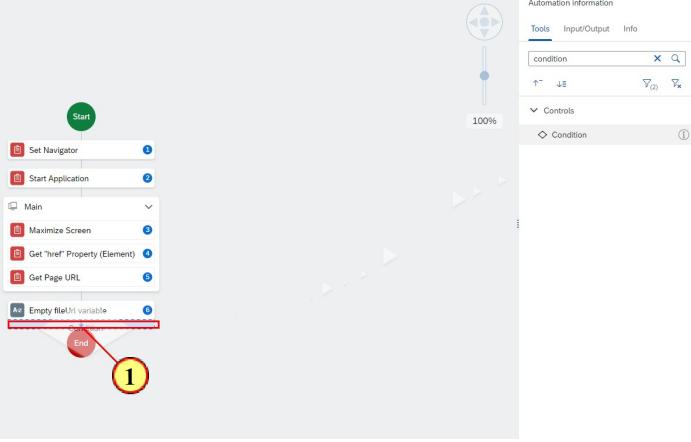
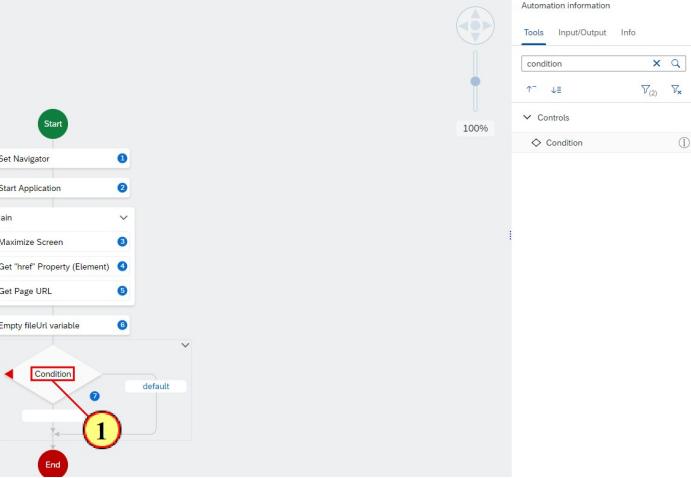
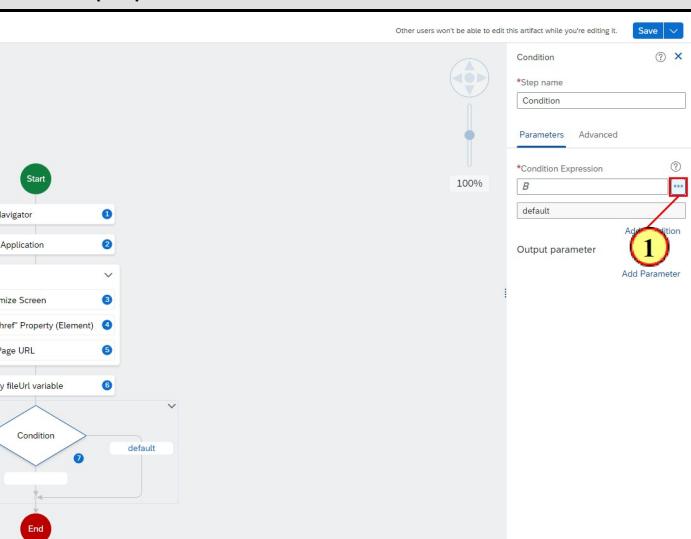
Explanation	Screenshot
(1) Close the activity properties panel	 <p>The screenshot shows the RPA Challenge application interface. On the right, the 'Get Property (Element)' activity properties panel is open. A yellow circle labeled '1' points to the close button (X) in the top right corner of the panel.</p>
RPA Challenge – Cloud Studio – Add Get Page activity	 <p>The screenshot shows the RPA Challenge application interface. A yellow warning icon is visible on the left. The activities panel on the right has a search bar containing 'get'. A yellow circle labeled '1' points to the search bar.</p>
(1) Drag the Get Page URL activity	 <p>The screenshot shows the RPA Challenge application interface. The 'Get Page URL' activity is being dragged from the activities panel into the workflow canvas. A yellow circle labeled '1' points to the activity icon.</p>
RPA Challenge – Cloud Studio – Add Get Page activity	 <p>The screenshot shows the RPA Challenge application interface. The 'Get Page URL' activity has been successfully added to the workflow. A yellow circle labeled '1' points to the activity icon in the workflow.</p>
(1) Close the Screen panel	 <p>The screenshot shows the RPA Challenge application interface. The 'Get Page URL' activity is now part of the workflow. A yellow circle labeled '1' points to the close button (X) in the top right corner of the screen panel.</p>
RPA Challenge – Cloud Studio – Add String activity	

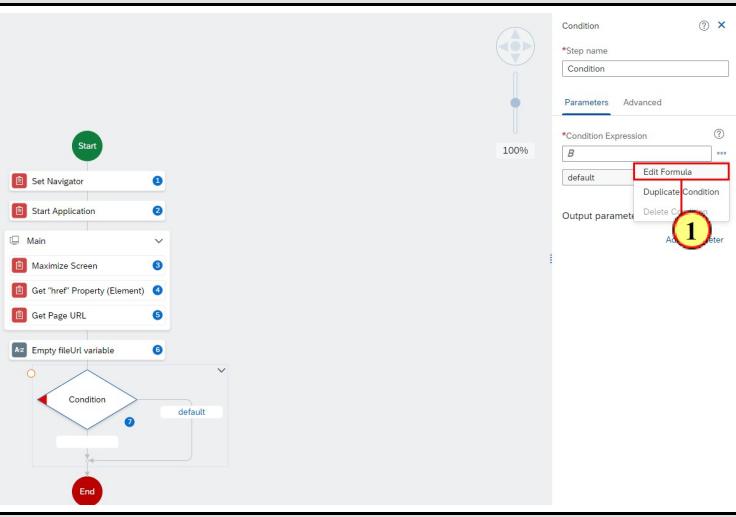
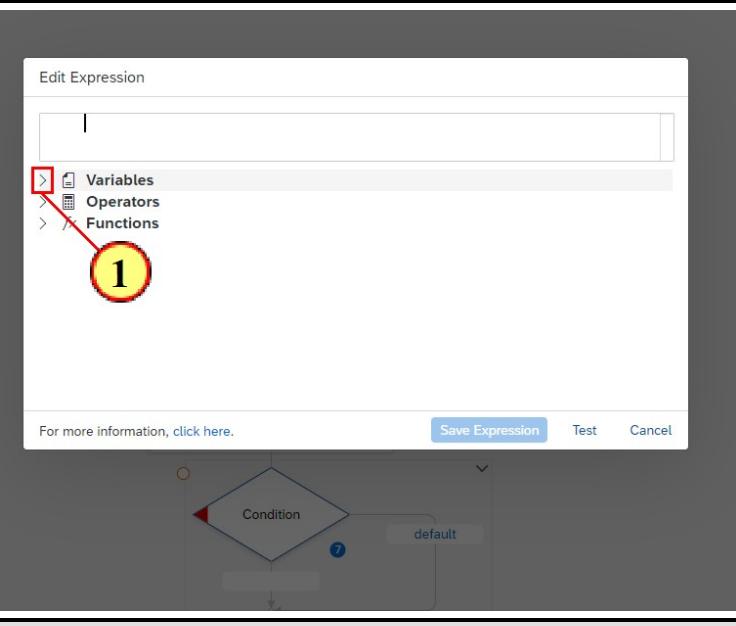
Explanation	Screenshot
(1) Clear the search field	 <p>The screenshot shows the RPA Challenge Cloud Studio interface. On the left, there's a sidebar with a search bar at the top. Below the search bar is a tree view of activities categorized under 'Activities'. A red circle highlights the search bar, and a yellow circle with the number '1' highlights the 'Activities' section in the sidebar.</p>
RPA Challenge – Cloud Studio – Add String activity	 <p>The screenshot shows the RPA Challenge Cloud Studio interface. The search bar in the sidebar is highlighted with a red rectangle. A yellow circle with the number '1' highlights the 'Activities' section in the sidebar.</p>
(1) Search for the String activity	 <p>The screenshot shows the RPA Challenge Cloud Studio interface. The search bar in the sidebar contains the word 'string'. A yellow circle with the number '1' highlights the 'Activities' section in the sidebar.</p>
RPA Challenge – Cloud Studio – Add String activity	

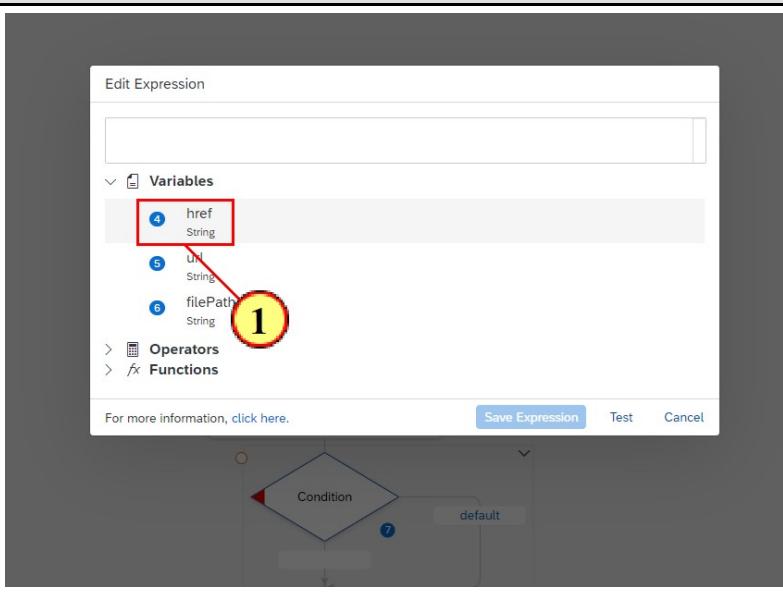
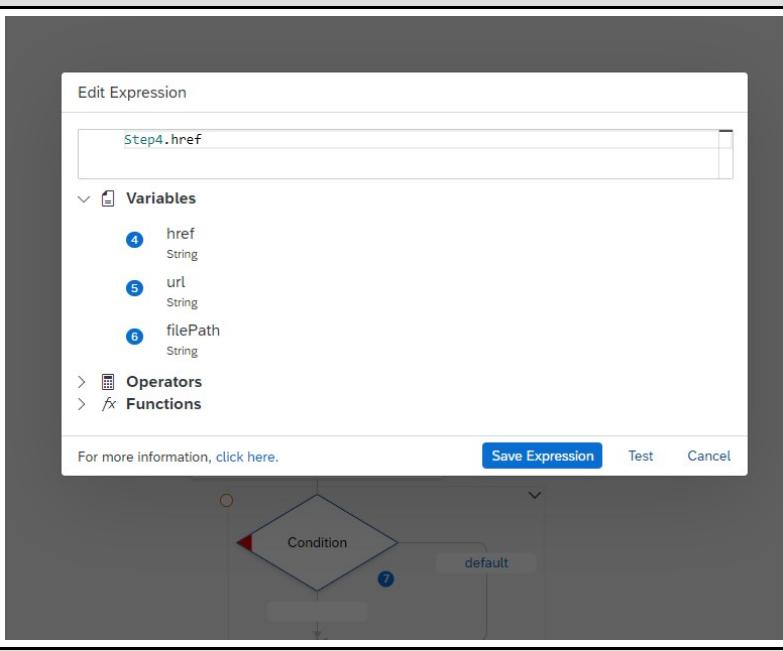
Explanation	Screenshot
(1) Drop it into the workflow after the Main screen	
RPA Challenge – Cloud Studio – Update String properties	
(1) Click on the activity to set the properties	
RPA Challenge – Cloud Studio – Update String properties	

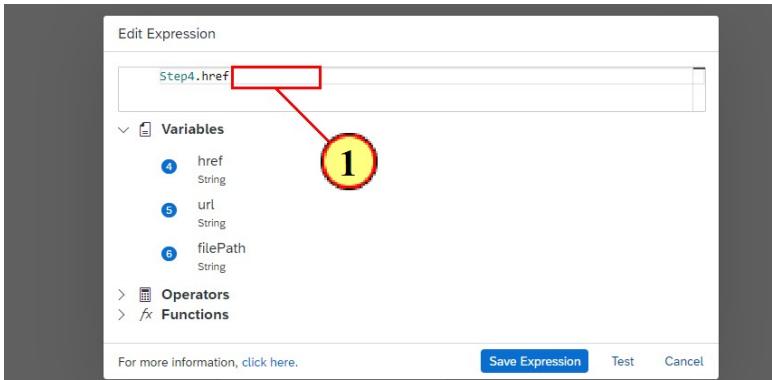
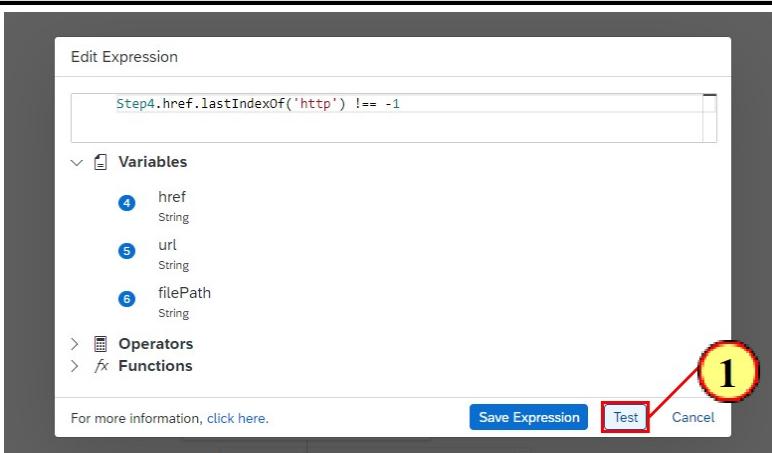
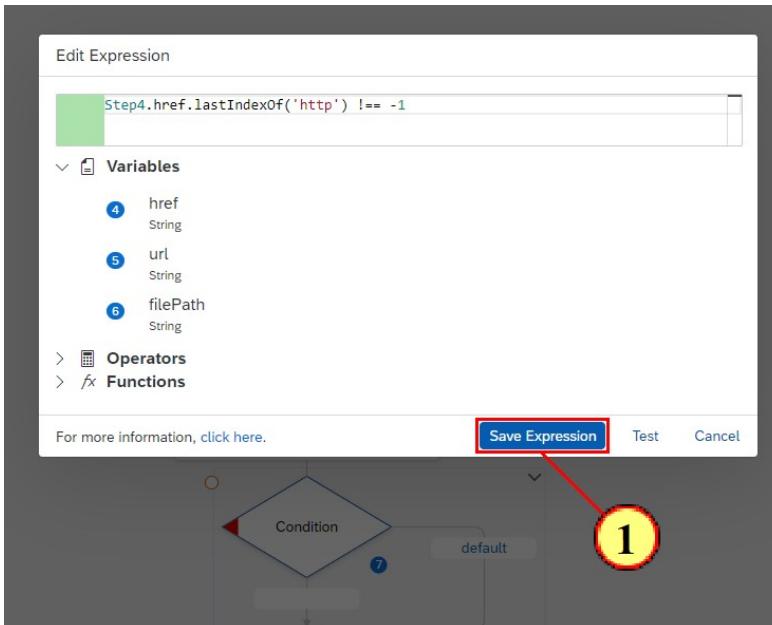
Explanation	Screenshot
	 <p>The screenshot shows a RPA Studio workflow. It starts with a 'Start' node, followed by a sequence of actions: 'Set Navigator', 'Start Application', and a 'Main' block containing 'Maximize Screen', 'Get 'href' Property (Element)', and 'Get Page URL'. This is followed by another 'Empty fileUrl variable' step, which then leads to an 'End' node. On the right side, there is a 'Create variable' dialog box. The 'Step name' field contains 'Empty fileUrl variable'. Under 'Input Parameters', there is a single entry with value 'A2'. Under 'Output Parameters', there is an entry with value 'myVariable'. A yellow circle labeled '1' points to the 'myVariable' entry.</p>
RPA Challenge – Cloud Studio – Update String properties	 <p>The screenshot shows a RPA Studio workflow similar to the previous one, but with a different output parameter. The 'Output Parameters' section now contains two entries: 'myVariable' and 'myVariable'. A yellow circle labeled '1' points to the second 'myVariable' entry.</p>
(1) Click on the Output Parameters ' field and replace the variable name with filePath	 <p>The screenshot shows the same workflow as before, but with the 'Output Parameters' field updated. The first entry is 'filePath'. A yellow circle labeled '1' points to the 'filePath' entry.</p>
RPA Challenge – Cloud Studio – Add Condition activity	

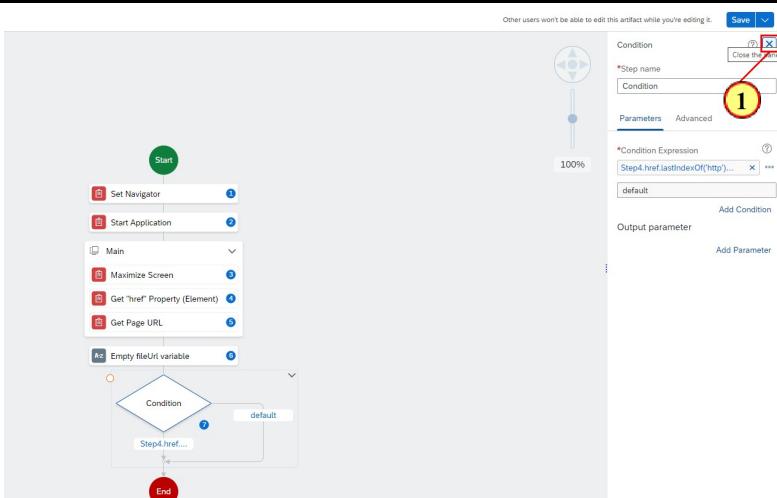
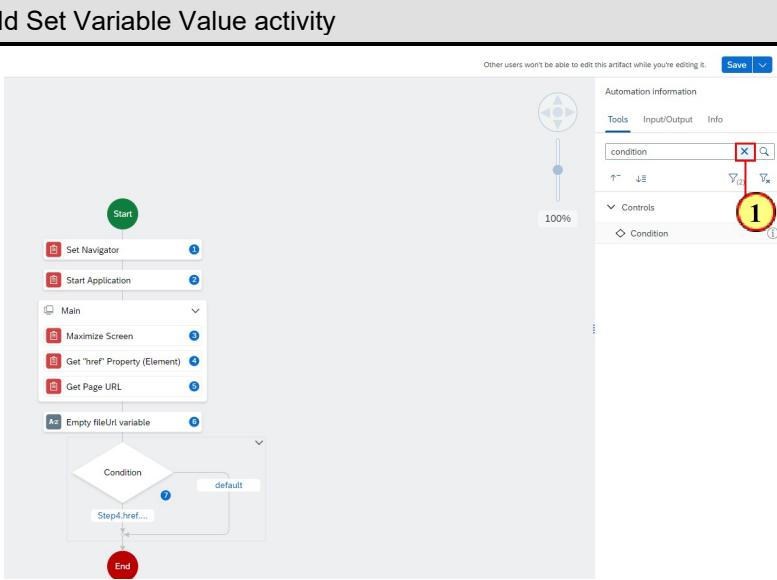
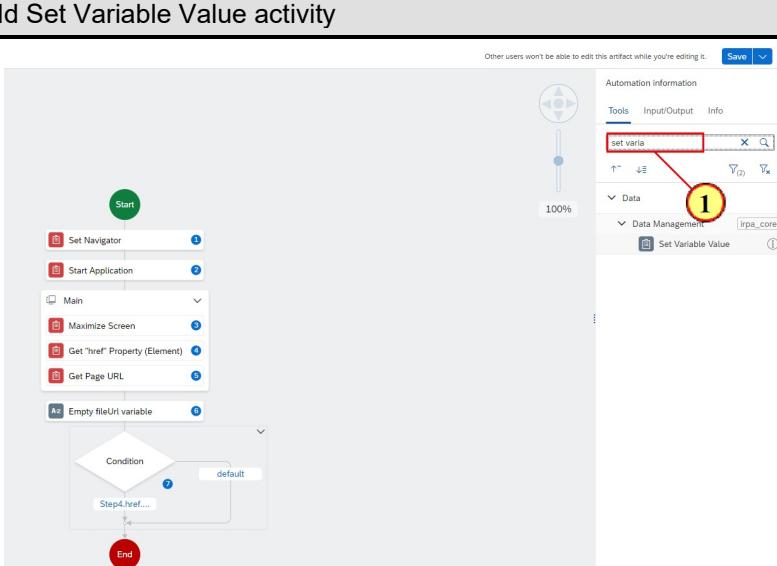
Explanation	Screenshot
(1) Clear the search field	
RPA Challenge – Cloud Studio – Add Condition activity	
(1) Search for the Condition activity	
RPA Challenge – Cloud Studio – Add Condition activity	
(1) Drag the activity	
RPA Challenge – Cloud Studio – Add Condition activity	

Explanation	Screenshot
<p>(1) Drop it into the workflow after the last activity</p> <p> The arrow should color itself blue while doing so.</p>	
RPA Challenge – Cloud Studio – Update Condition properties	
<p>(1) Click on the Condition to open the side panel</p>	
RPA Challenge – Cloud Studio – Update Condition properties	
<p>(1) Click on the three dots next to the Condition Expression field for more options</p>	
RPA Challenge – Cloud Studio – Update Condition properties	

Explanation	Screenshot
(1) Select Edit Formula	
RPA Challenge – Cloud Studio – Update Condition properties	
(1) Expand the Variables section	
RPA Challenge – Cloud Studio – Update Condition properties	

Explanation	Screenshot
(1) Select the href variable	
RPA Challenge – Cloud Studio – Update Condition properties	
<p>The Expression should look like this.</p> 	
RPA Challenge – Cloud Studio – Update Condition properties	

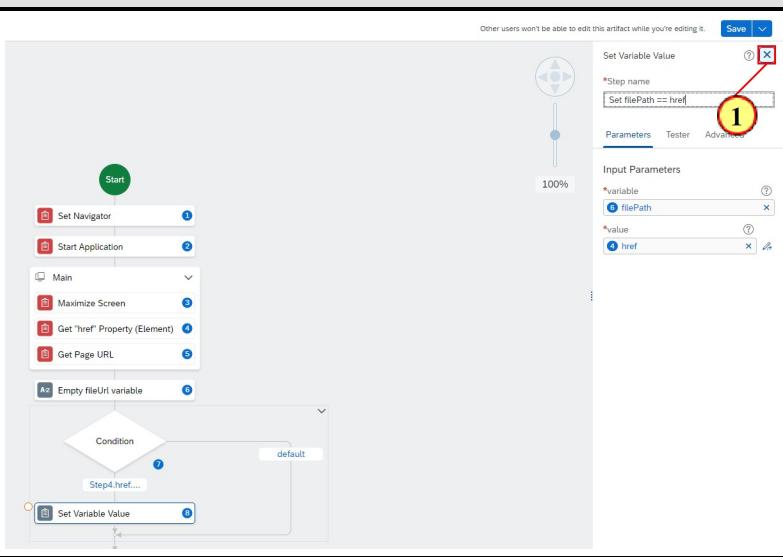
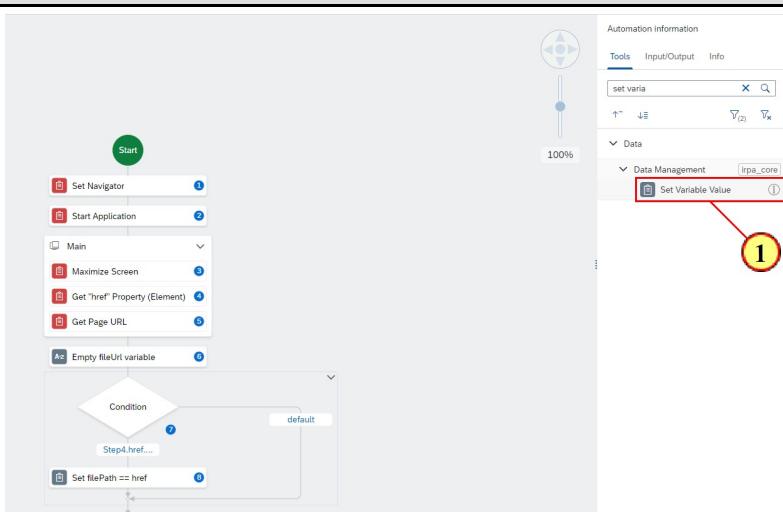
Explanation	Screenshot
<p>(1) Now add to the expression: `.lastIndexOf('http') !== -1</p> <p> This expression is used to check if href contains an HTTP url</p>	
<p>RPA Challenge – Cloud Studio – Update Condition properties</p> <p>(1) Click on Test to verify if the expression is valid</p> <p> The editor will highlight it in green if it is and in red if it is not.</p>	
<p>RPA Challenge – Cloud Studio – Update Condition properties</p> <p>(1) Click on Save Expression</p>	
<p>RPA Challenge – Cloud Studio – Add Set Variable Value activity</p>	

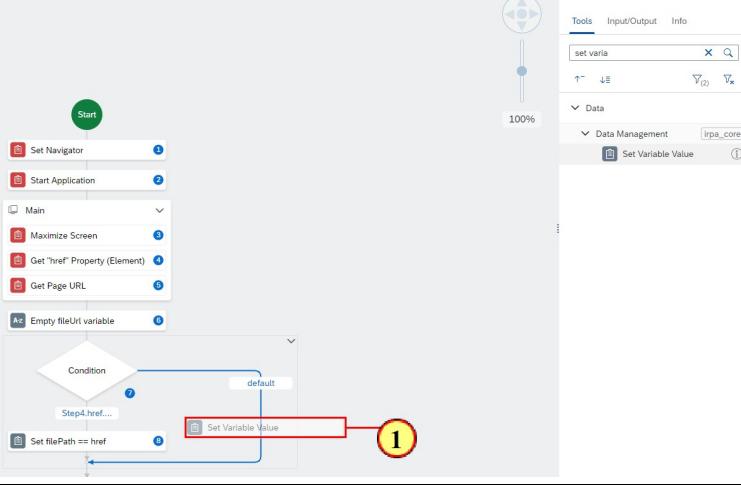
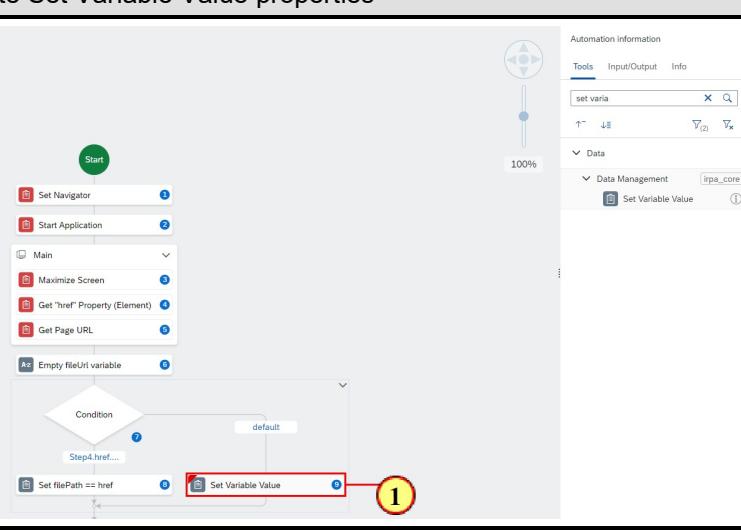
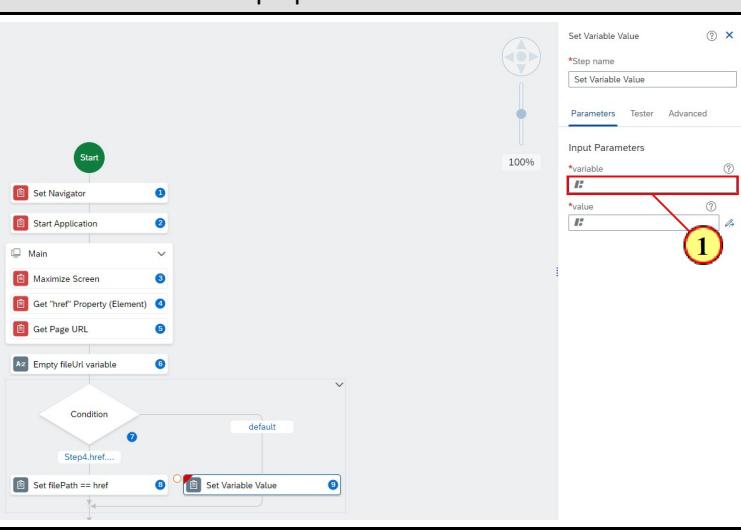
Explanation	Screenshot
(1) Close the step properties	
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
(1) Clear the search field	
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
(1) Search for the Set Variable Value activity	

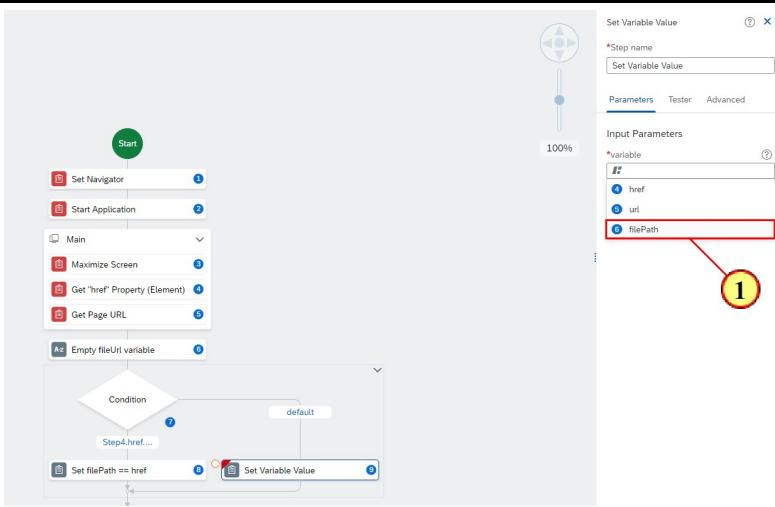
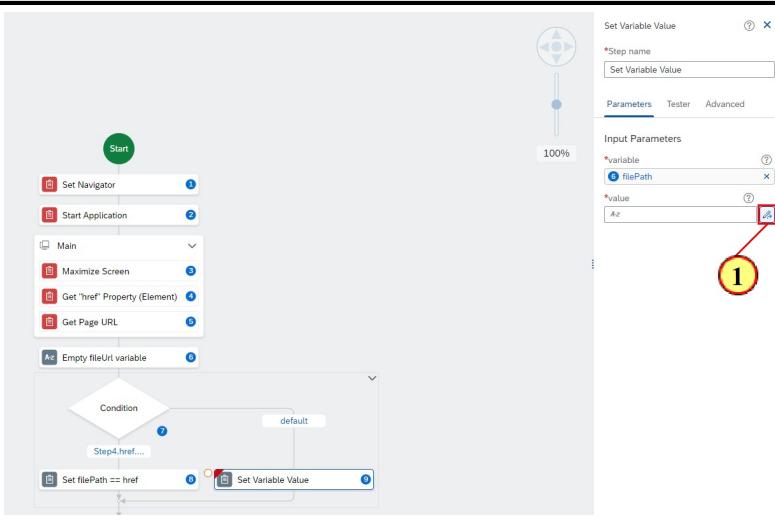
Explanation	Screenshot
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
(1) Drag the activity	
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
<p>(1) Drop it into the workflow, in the main branch (condition true)</p> <p> The arrow should color itself blue while doing so.</p>	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	
(1) Click on the activity to set the properties	

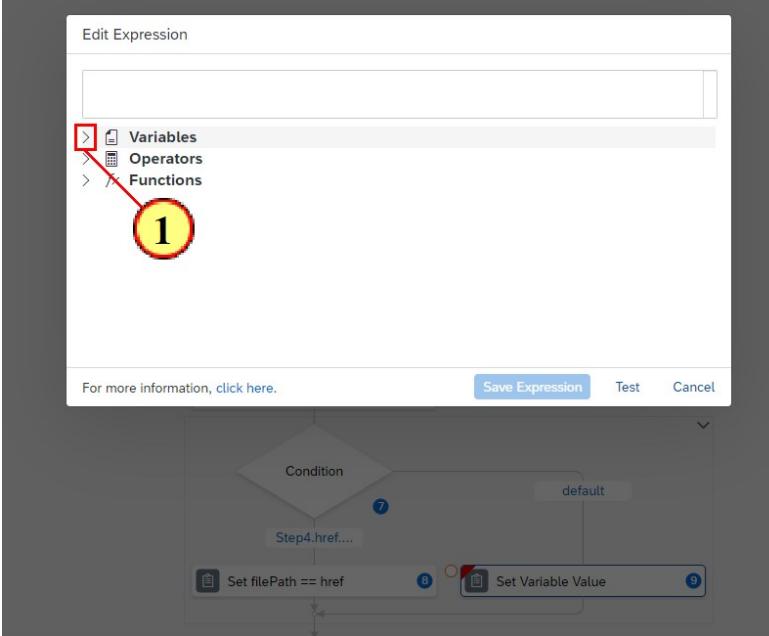
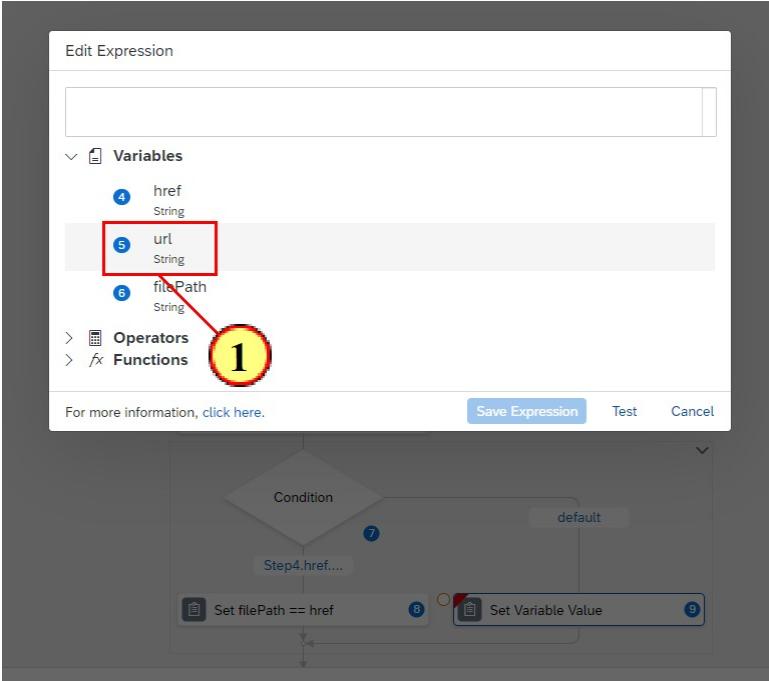
Explanation	Screenshot
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Click on the variable parameter</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Select the variable filePath</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Click on the value parameter</p>	

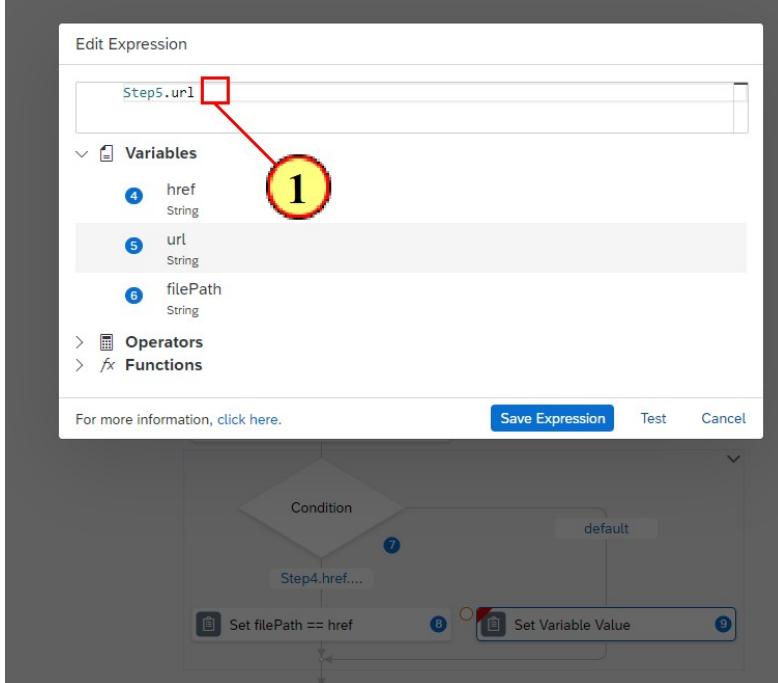
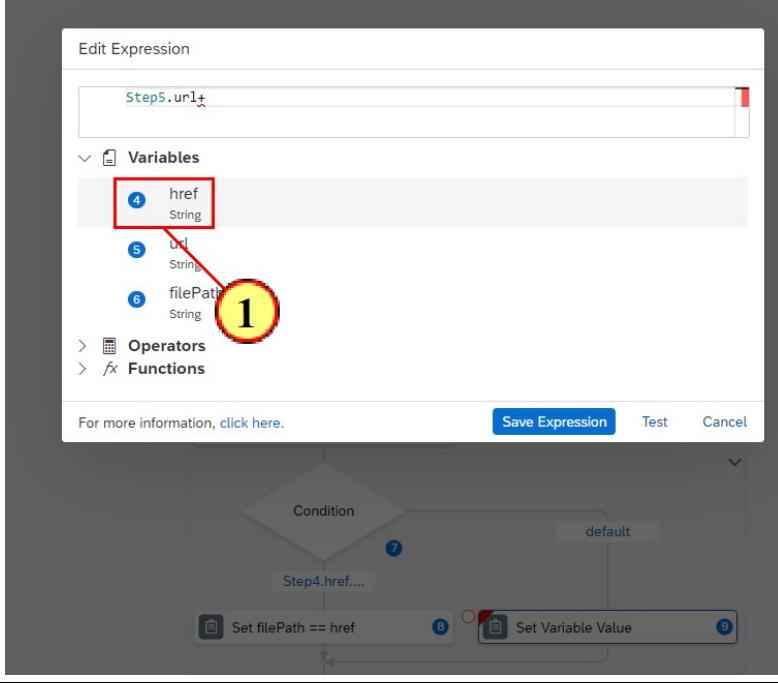
Explanation	Screenshot
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Select the variable href</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Click on the Step name</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p> <p>(1) Enter the Step name as Set filePath == href</p>	

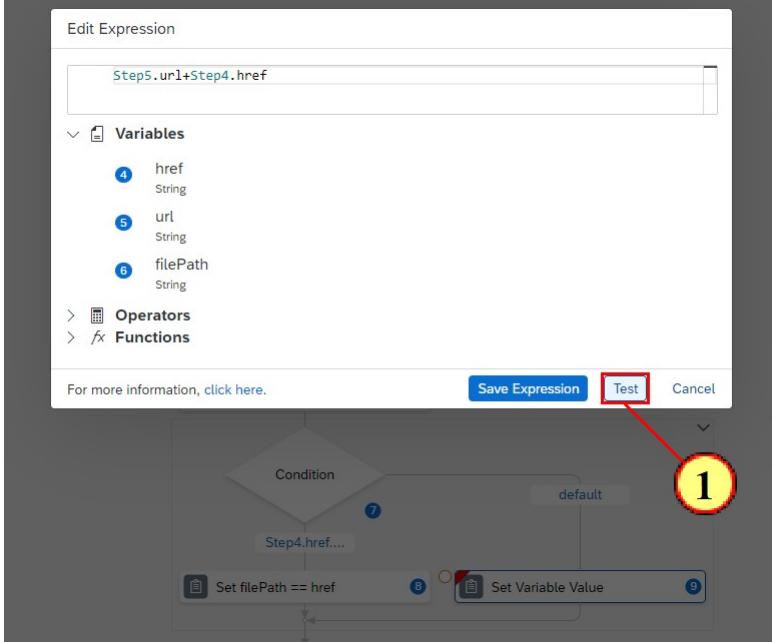
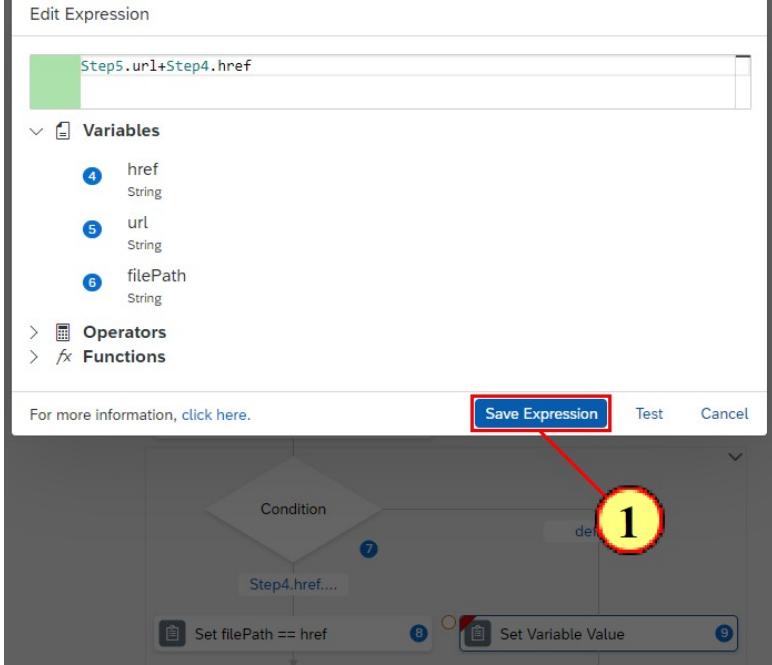
Explanation	Screenshot
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
(1) Close the step properties	
RPA Challenge – Cloud Studio – Add Set Variable Value activity	
(1) Drag a second Set Variable Value activity	
RPA Challenge – Cloud Studio – Add Set Variable Value activity	

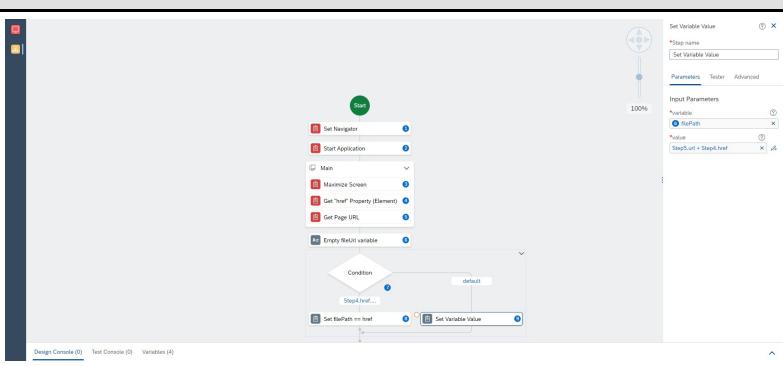
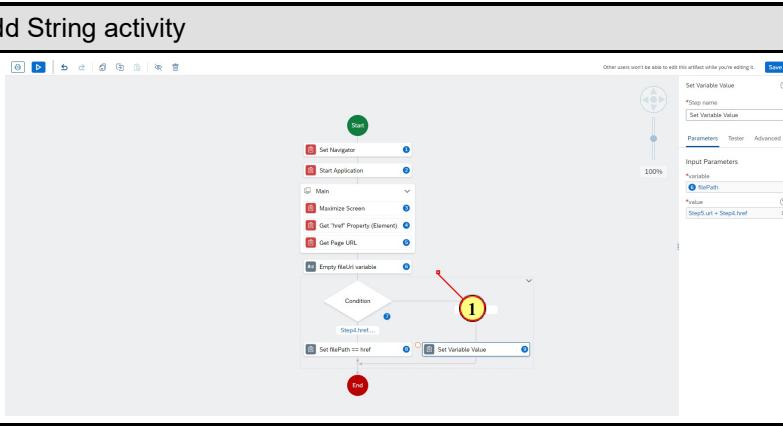
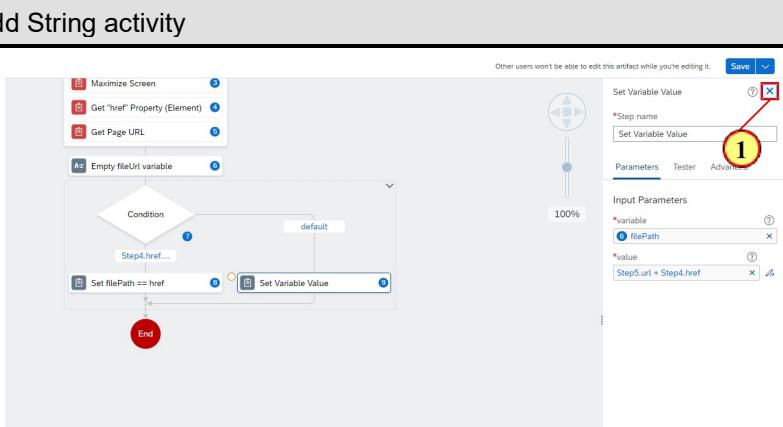
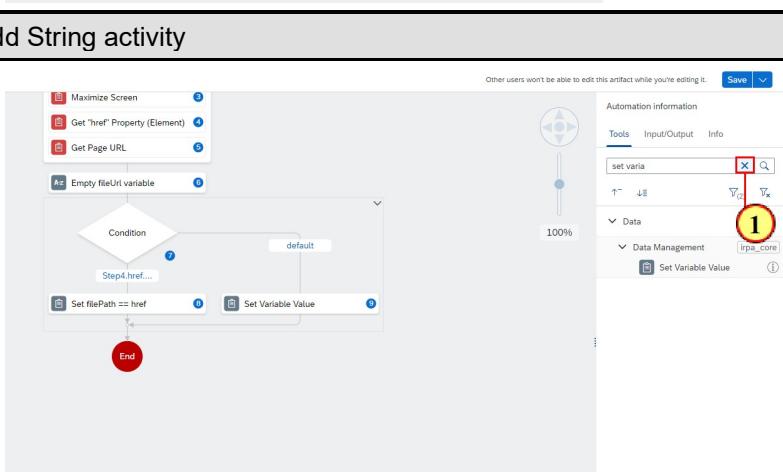
Explanation	Screenshot
<p>(1) Drop it into the workflow, in the default branch (condition false)</p> <p> The arrow should color itself blue while doing so.</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p>	
<p>(1) Click on the variable parameter</p>	
<p>RPA Challenge – Cloud Studio – Update Set Variable Value properties</p>	

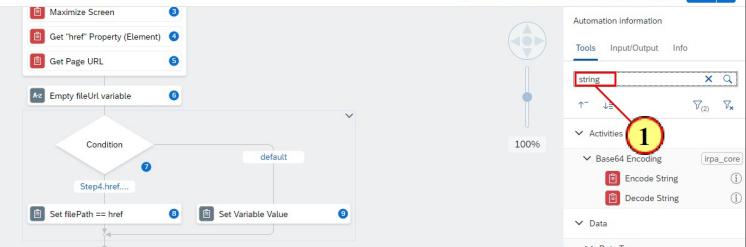
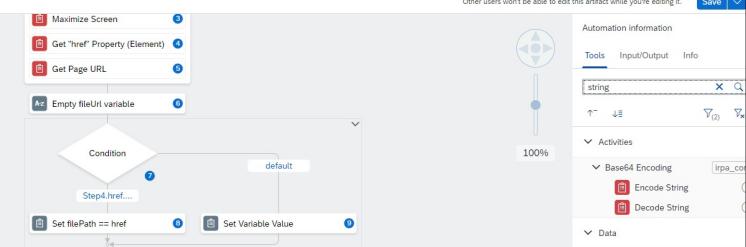
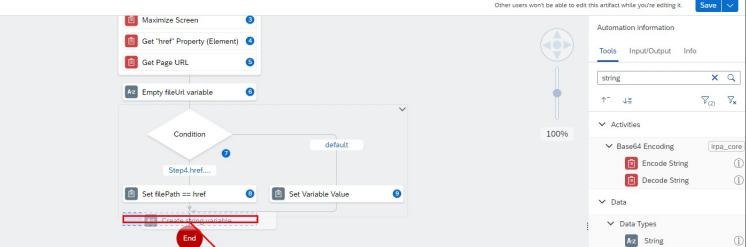
Explanation	Screenshot
(1) Select the variable filePath	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	
(1) Click on the Expression editor icon 	

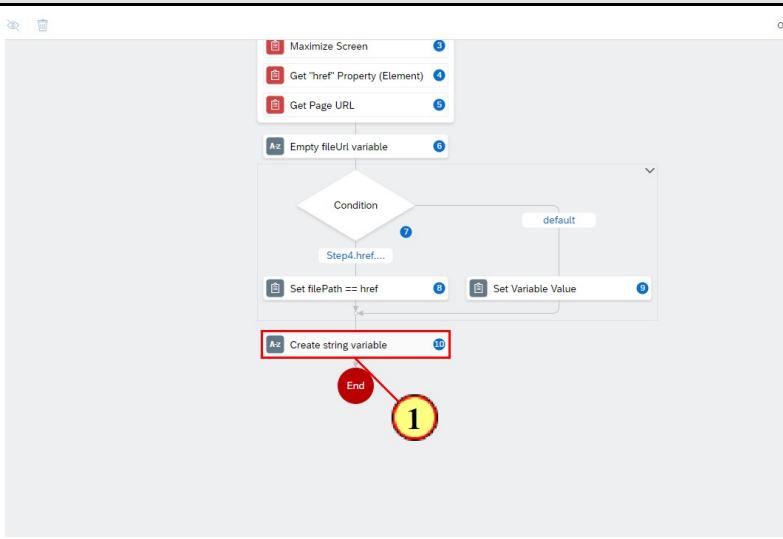
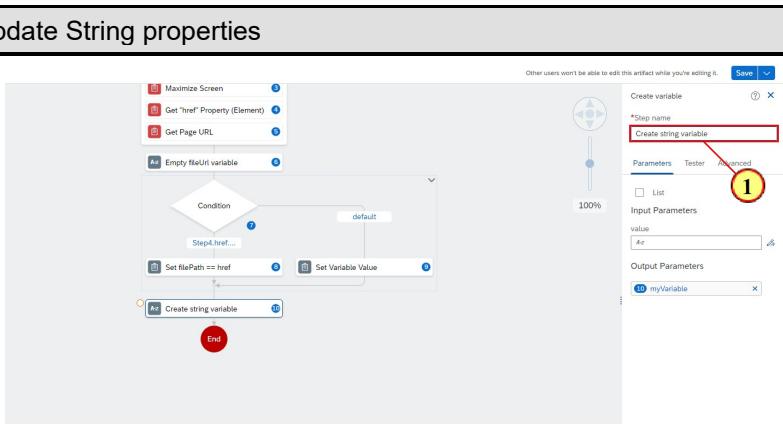
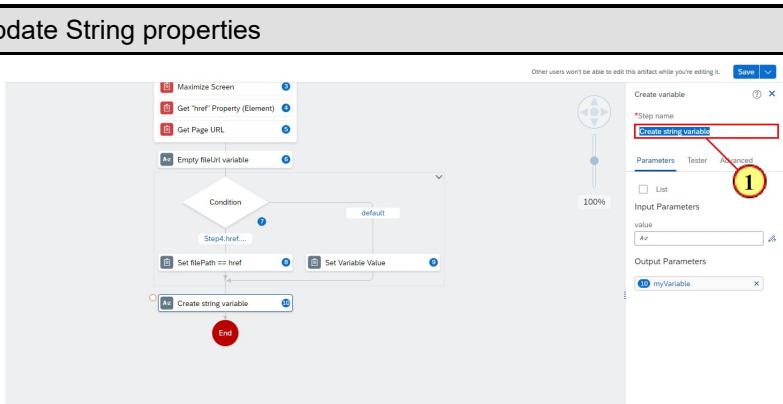
Explanation	Screenshot
(1) Expand the Variables section	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	
(1) Select the Url variable	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	

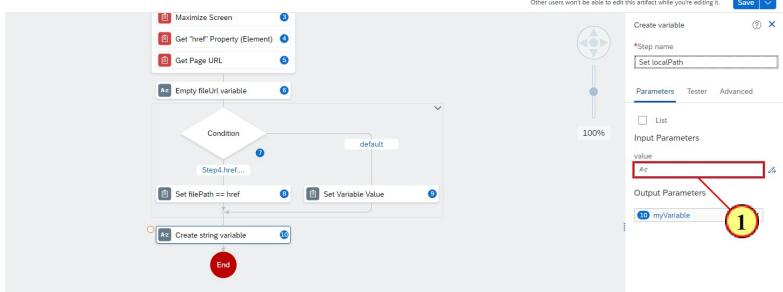
Explanation	Screenshot
(1) Enter: +	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	
(1) Select the href variable	

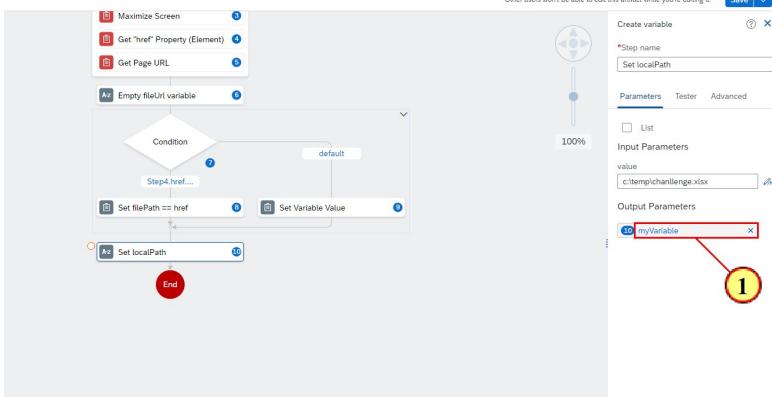
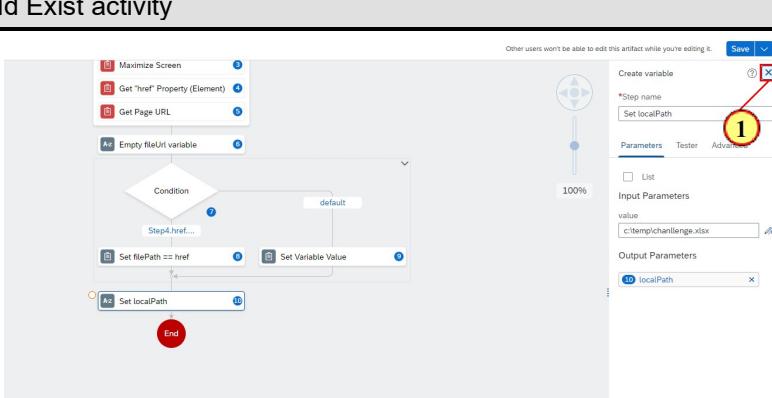
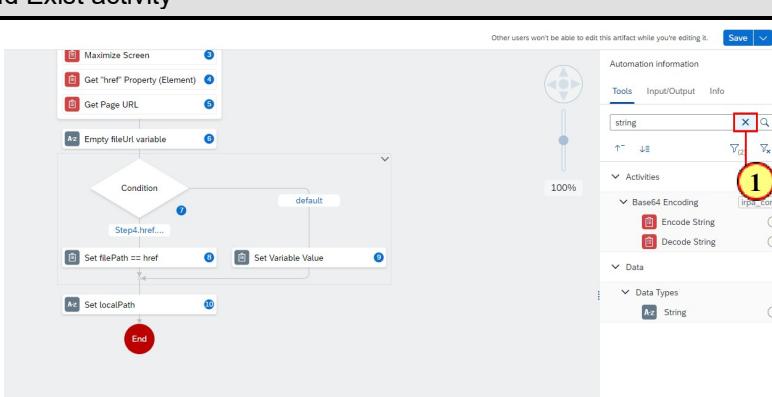
Explanation	Screenshot
<p>(1) Click on Test to verify if the expression is valid.</p> <p> The editor will highlight it in green if it is and in red if it is not.</p>	
RPA Challenge – Cloud Studio – Update Set Variable Value properties	
<p>(1) Click on Save Expression</p>	
RPA Challenge – Cloud Studio – Add String activity	

Explanation	Screenshot
	
RPA Challenge – Cloud Studio – Add String activity	
(1) Scroll Mouse wheel down to bring the screen to desired location	
RPA Challenge – Cloud Studio – Add String activity	

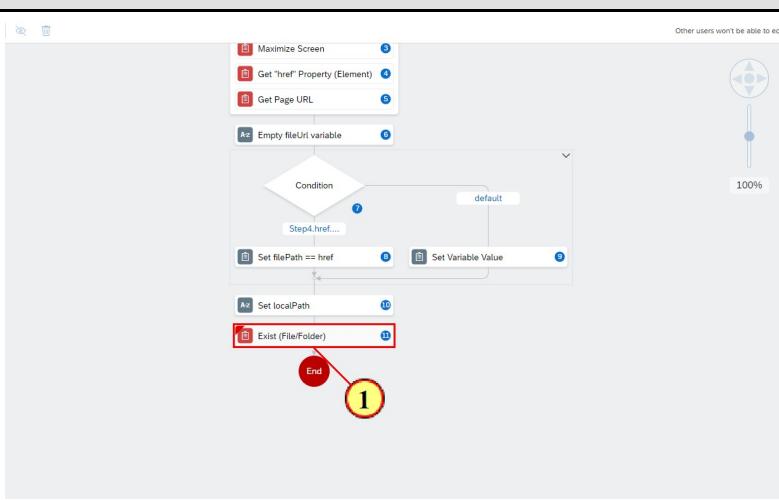
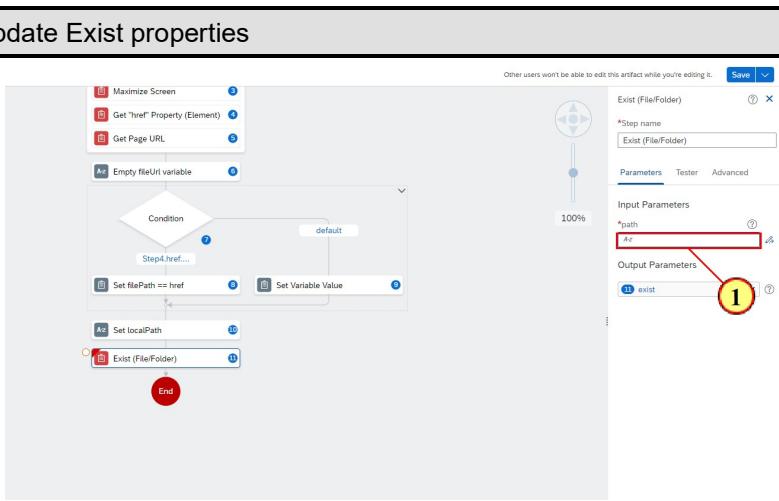
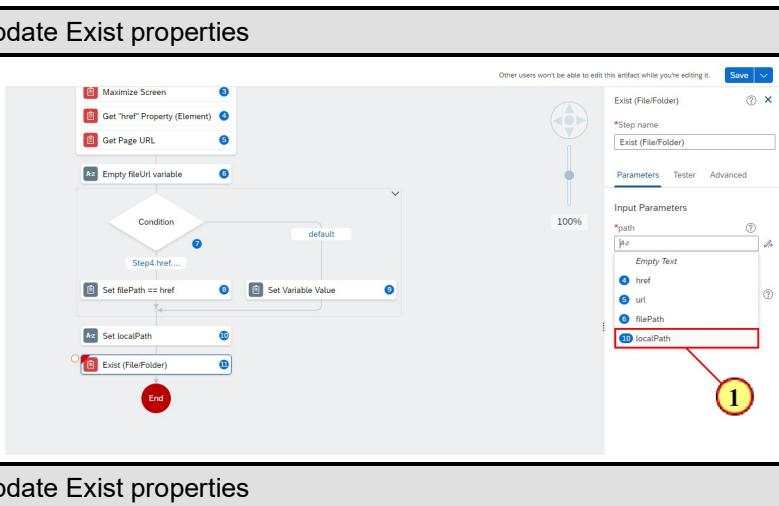
Explanation	Screenshot
RPA Challenge – Cloud Studio – Add String activity	
(1) Search for the String activity	
RPA Challenge – Cloud Studio – Add String activity	
(1) Drag the activity	
RPA Challenge – Cloud Studio – Add String activity	
(1) Drop it into the workflow after the Set filePath==href activity	
RPA Challenge – Cloud Studio – Update String properties	

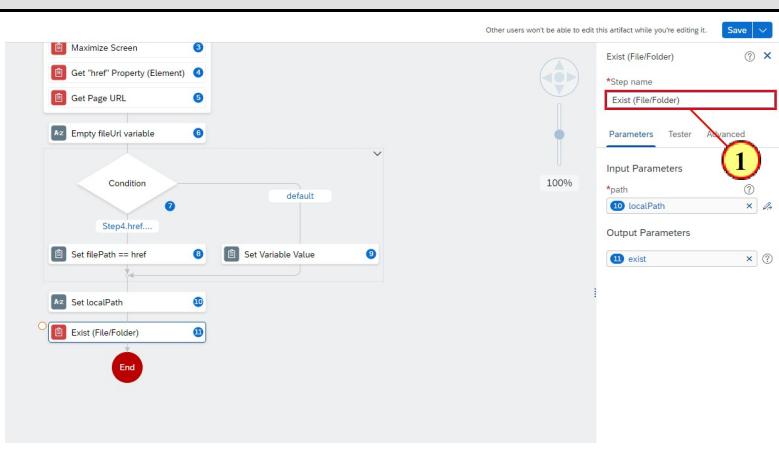
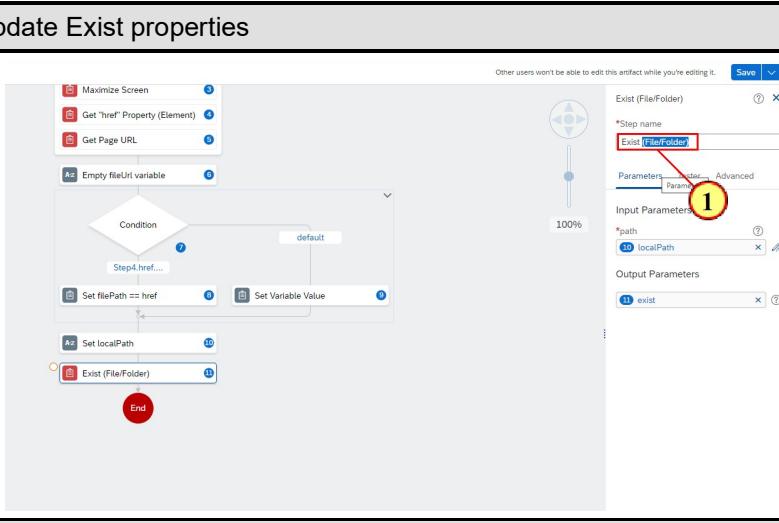
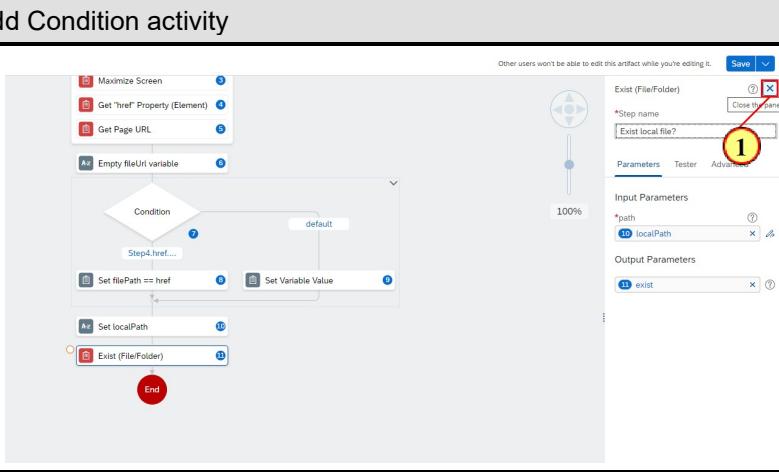
Explanation	Screenshot
(1) Click on the activity to set the properties	
RPA Challenge – Cloud Studio – Update String properties	
(1) Click on the Step name field	
RPA Challenge – Cloud Studio – Update String properties	

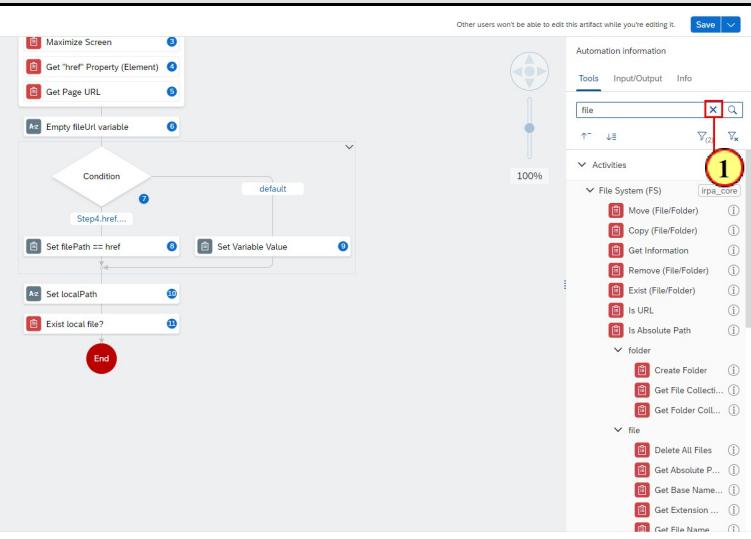
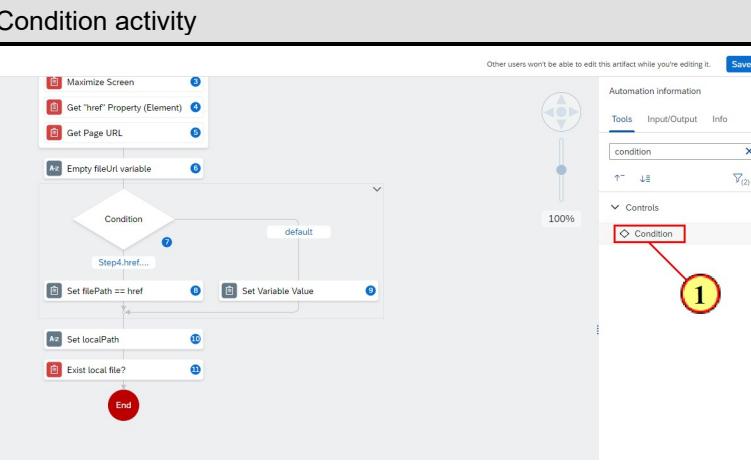
Explanation	Screenshot
(1) Click on the value parameter	
RPA Challenge – Cloud Studio – Update String properties	
<p data-bbox="144 795 441 862">(1) Set the value to c:\temp\challenge.xlsx</p> <p data-bbox="144 884 192 929"></p> <p data-bbox="144 938 482 997">This folder has to exist on the machine running the BOT</p>	
RPA Challenge – Cloud Studio – Update String properties	

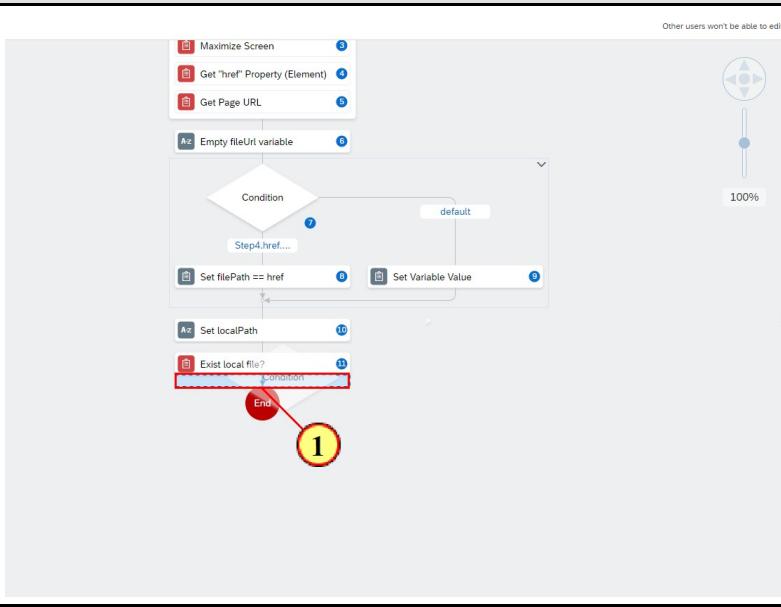
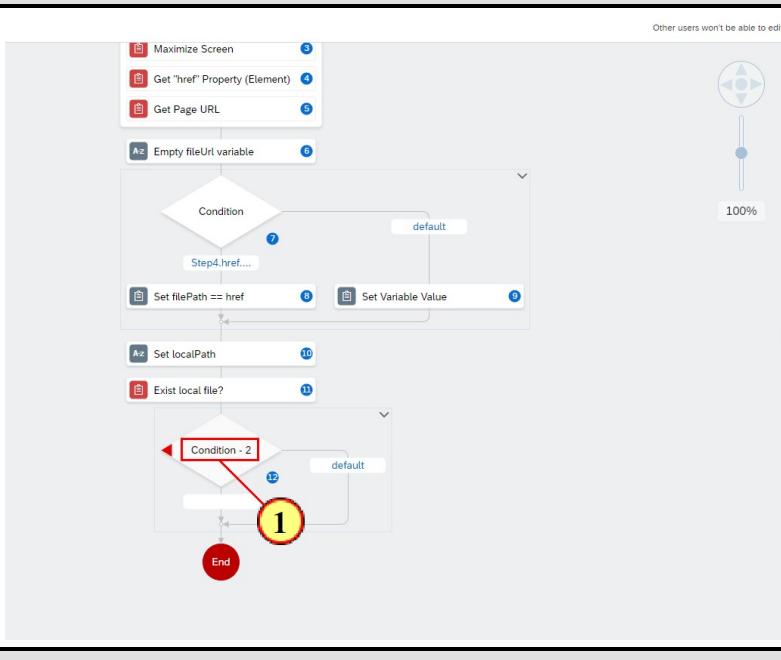
Explanation	Screenshot
(1) Set the Output variable name to localPath	
RPA Challenge – Cloud Studio – Add Exist activity	
(1) Close the step properties	
RPA Challenge – Cloud Studio – Add Exist activity	

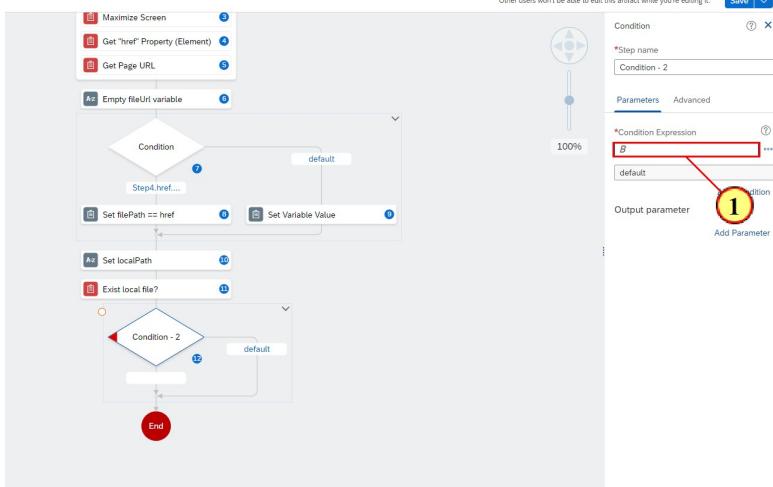
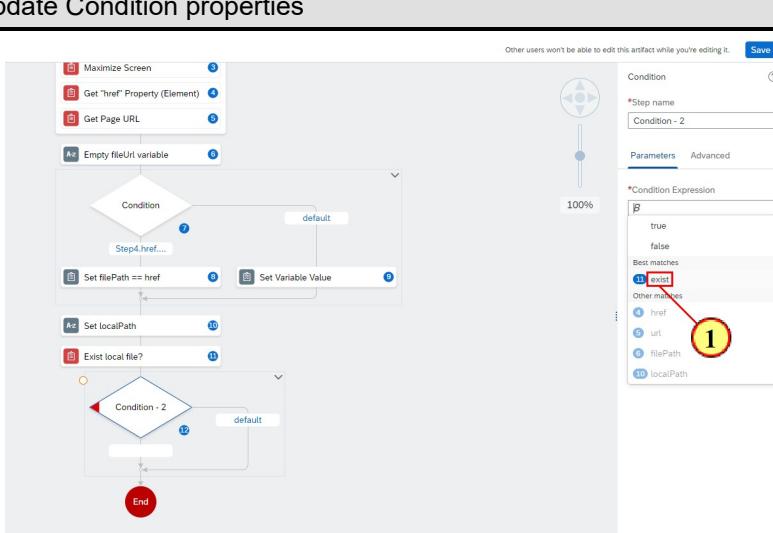
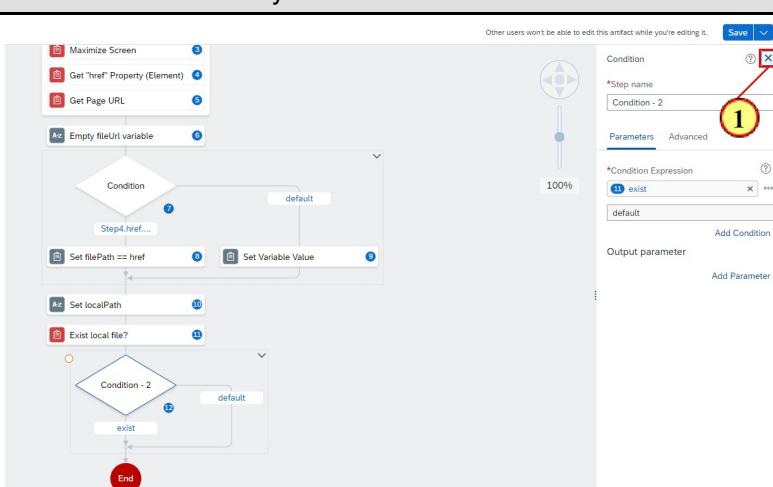
Explanation	Screenshot
(1) Search for file	
(1) Drag the Exist (File/Folder) activity	
(1) Drop it into the workflow after the Set localPath activity	
RPA Challenge – Cloud Studio – Update Exist properties	

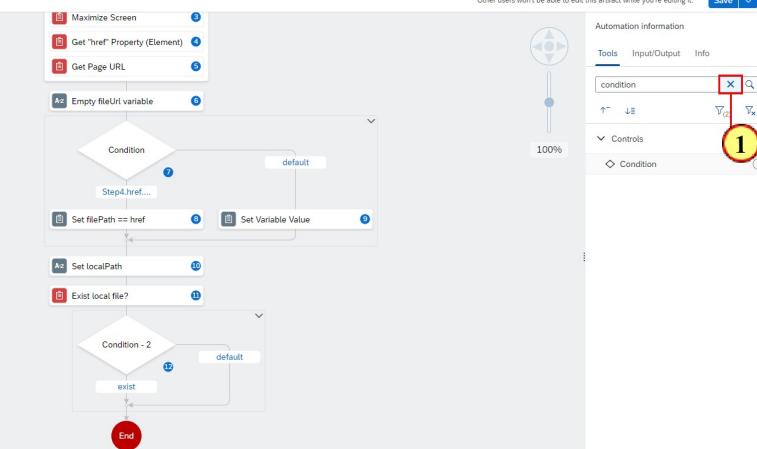
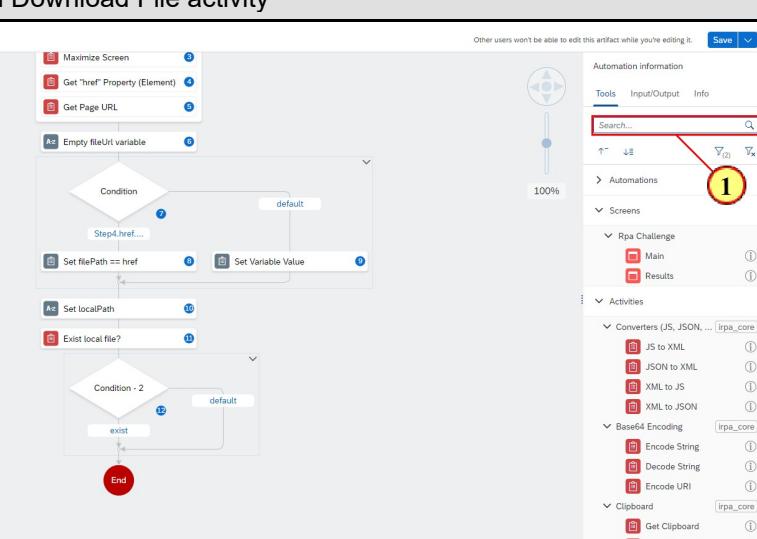
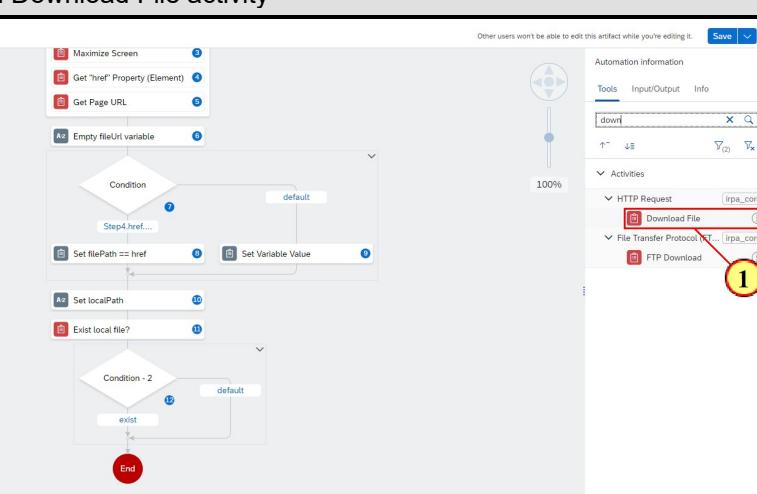
Explanation	Screenshot
(1) Click on the activity to set the properties	
RPA Challenge – Cloud Studio – Update Exist properties	
(1) Select the variable localPath	
RPA Challenge – Cloud Studio – Update Exist properties	

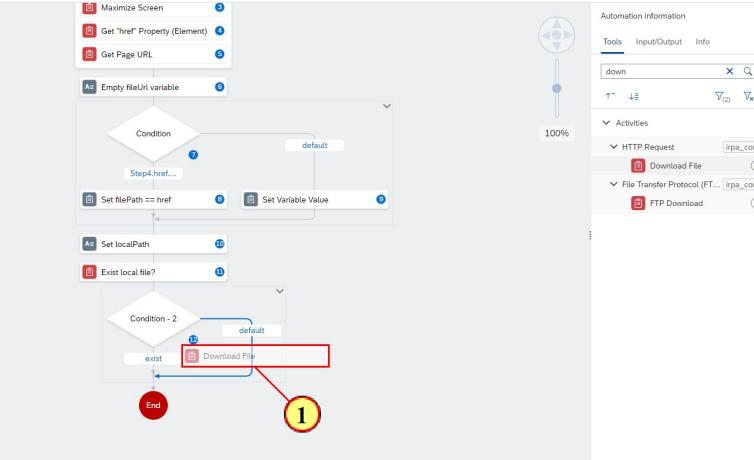
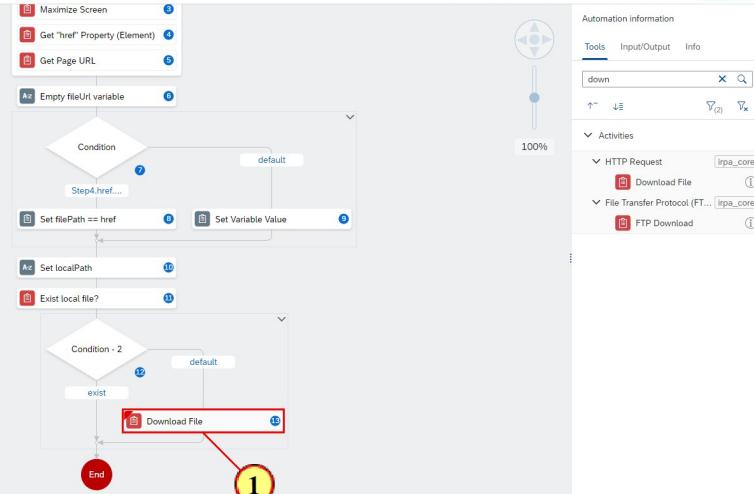
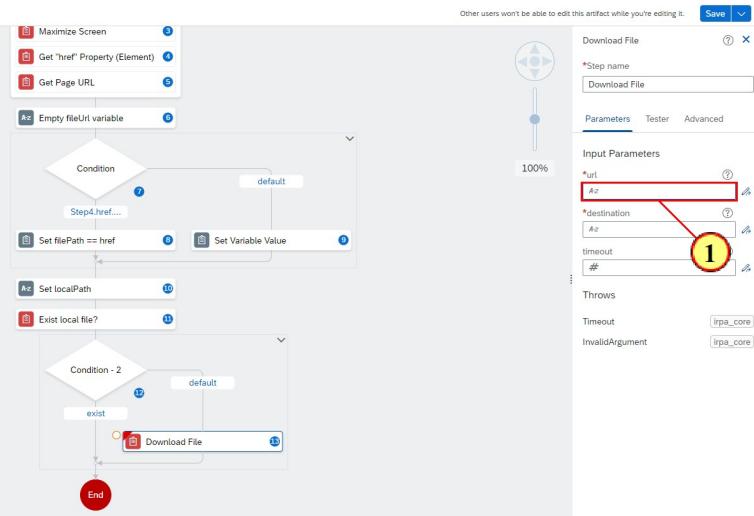
Explanation	Screenshot
(1) Click on the Step name field	
RPA Challenge – Cloud Studio – Update Exist properties	
(1) Close the step properties	
RPA Challenge – Cloud Studio – Add Condition activity	

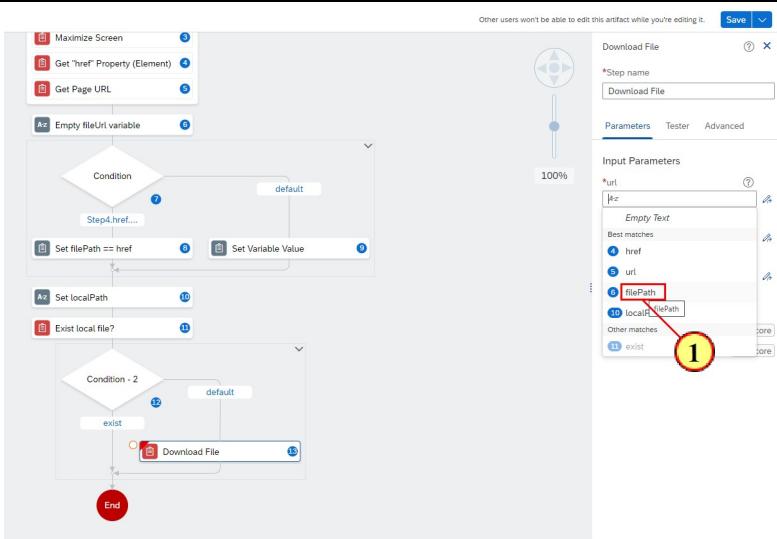
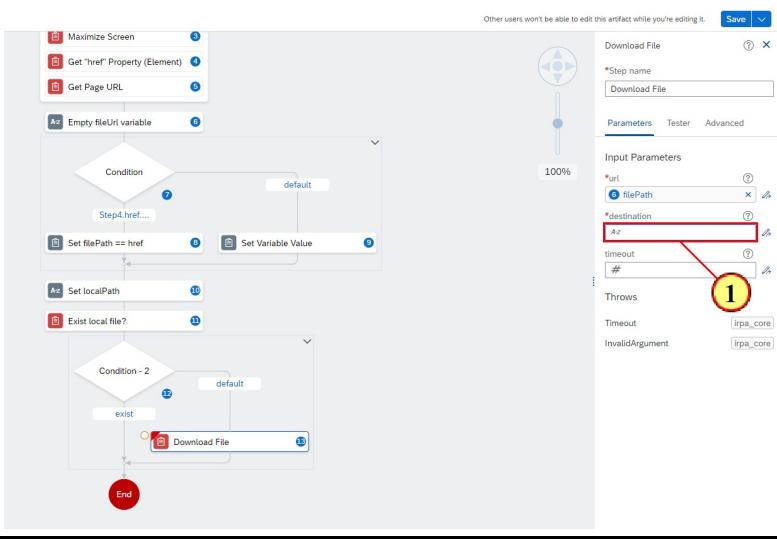
Explanation	Screenshot
(1) Clear the search field	
RPA Challenge – Cloud Studio – Add Condition activity	
(1) Drag the activity	
RPA Challenge – Cloud Studio – Add Condition activity	

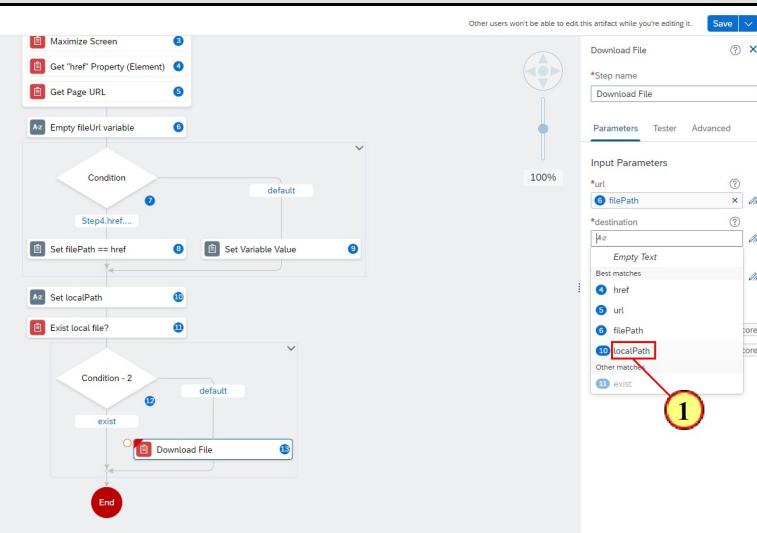
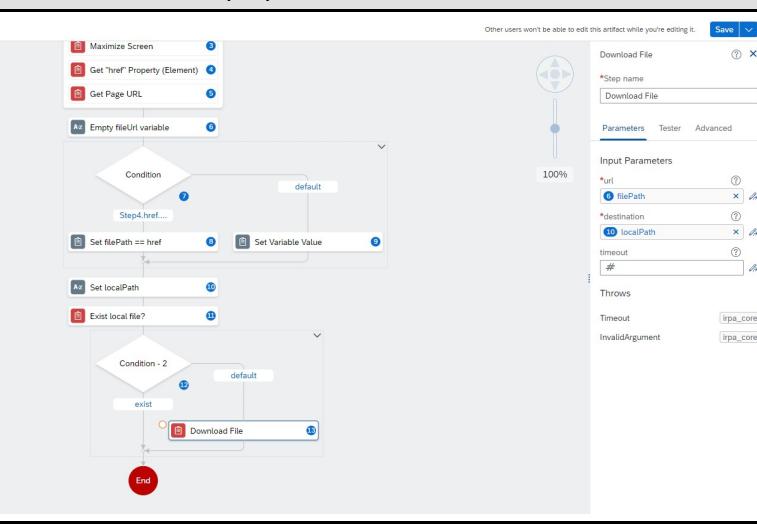
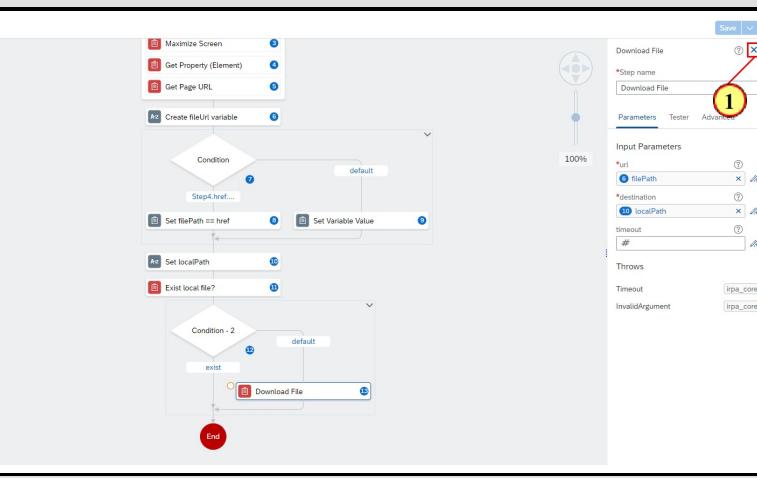
Explanation	Screenshot
(1) Drop it into the workflow after the Exist local file? activity	 <p>The screenshot shows a workflow in the RPA Challenge Cloud Studio. At the top, there is a sequence of activities: Maximize Screen, Get "href" Property (Element), and Get Page URL. Below these is an Empty fileUrl variable activity. Following this is a Condition activity (diamond shape). A transition from the Condition activity leads to a Set filePath == href activity. Another transition leads to a Set Variable Value activity. From the Set Variable Value activity, a transition leads to a Set localPath activity. Finally, a transition leads to an Exist local file? activity. A red circle with the number '1' is drawn around the Exist local file? activity.</p>
RPA Challenge – Cloud Studio – Update Condition properties	
(1) Click on the Condition activity to set the properties	 <p>The screenshot shows the same workflow as the previous screenshot, but the Condition activity is now highlighted with a red selection box. A red circle with the number '1' is drawn around the Condition activity.</p>
RPA Challenge – Cloud Studio – Update Condition properties	

Explanation	Screenshot
(1) Click on the Condition Expression parameter	
RPA Challenge – Cloud Studio – Update Condition properties	
(1) Select the variable exist	
RPA Challenge – Cloud Studio – Add Download File activity	

Explanation	Screenshot
(1) Clear the search field	
(1) Search for the Download File activity	
(1) Drag the activity	
RPA Challenge – Cloud Studio – Add Download File activity	

Explanation	Screenshot
<p>(1) Drop it into the workflow in the default (false) branch</p> <p> The arrow should color itself blue while doing so.</p>	
RPA Challenge – Cloud Studio – Update Download File properties	
<p>(1) Click on the activity to set the properties</p>	
RPA Challenge – Cloud Studio – Update Download File properties	
<p>(1) Click on the url parameter</p>	

Explanation	Screenshot
RPA Challenge – Cloud Studio – Update Download File properties	
(1) Select the variable filePath	 <p>The screenshot shows a RPA Cloud Studio interface. On the right, the 'Input Parameters' panel is open, displaying fields for 'url' and 'filePath'. The 'filePath' field is highlighted with a red circle containing the number '1'. The main workspace shows a workflow starting with 'Maximize Screen', followed by 'Get "href" Property (Element)' and 'Get Page URL' steps. An 'Empty fileUrl variable' step is connected to a 'Condition' diamond. If 'Step4.href...' is true, it leads to 'Set filePath == href' and 'Set Variable Value' steps. Then, 'Set localPath' and 'Exist local file?' steps are performed. If 'exist' is true, it leads to a 'Download File' step. Finally, the process ends. The 'Input Parameters' panel also includes fields for 'destination', 'timeout', and 'Throws'.</p>
RPA Challenge – Cloud Studio – Update Download File properties	
(1) Click on the destination parameter	 <p>This screenshot is identical to the previous one, showing the RPA Cloud Studio interface with the 'Input Parameters' panel open. The 'destination' field is now highlighted with a red circle containing the number '1'.</p>
RPA Challenge – Cloud Studio – Update Download File properties	

Explanation	Screenshot
(1) Select the variable localPath	
RPA Challenge – Cloud Studio – Update Download File properties	
	
RPA Challenge – Cloud Studio – Add Open Excel Instance activity	
(1) Close the step properties	
RPA Challenge – Cloud Studio – Add Open Excel Instance activity	

Explanation	Screenshot
<p>(1) Scroll down to make space below the workflow</p>	